

MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

Volume 21

Arizona

Hawaii

Nevada

American Samoa

Guam

Region IX



U.S. Department of Health and Human Services
Health Care Financing Administration

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Volume 21

ARIZONA  
HAWAII  
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GUAM

Region IX

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U.S. Department of Health and Human Services

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The Health Care Financing Administration (HCFA) was established in March 1977 to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 59 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

FOREWORD

The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, has more than 33 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. This fourth annual release of Medicare hospital mortality information is a key element in our efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to what rate would have been predicted, given what we know about the characteristics of the patients admitted?" We expect this information to be used by hospital administrators, physicians, peer review organizations, Medicare beneficiaries, State survey and certification agencies and researchers. The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"--that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital.

The basic approach to analyzing hospital mortality information has remained unchanged for the past four years; however, since the last publication of mortality information in December 1989, we have made some significant changes both in our methodology and in the way we display the results of our analysis. This publication presents information for 30, 90, and 180 days post admission, as opposed to the single point of 30 days post admission used in all the previous publications. Also, we present values for an observed mortality rate, a predicted mortality rate and a standard deviation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed and approved by a panel of outside experts. The methodology used in arriving at the observed mortality rate, the predicted mortality rate and the standard deviation are briefly described in the Technical Appendix at the end of this volume and in more detail in a Technical Information Supplement.

We acknowledge the assistance we have received from the American Hospital Association--not only for providing the information detailing selected hospital characteristics but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to thoroughly review the data and to provide us with comments and suggestions. As before, we have published the comments we received from individual hospitals, associating them with the summary data for the appropriate institution. Over the years, these communications have proved very helpful in improving and refining the information included in this publication.

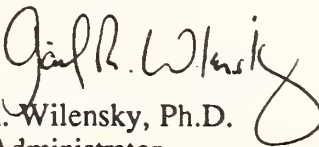

Gail R. Wilensky, Ph.D.
Administrator

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INTRODUCTION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information. This year's publication presents information for Federal fiscal years (FYs) 1987, 1988 and 1989. (A Federal fiscal year is October 1 through September 30; e.g., FY 1989 covers the period October 1, 1988 through September 30, 1989.) The information for 1987 and 1988 will be different from that published previously both because it is based on a fiscal, not calendar, year, and because the methodology for this year's analysis uses a random hospital stay rather than the last stay in the year as did previous analyses.

Description of Mortality Information

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the three prior years. Only one hospitalization for every patient was used. However, in this year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay to be analyzed was selected at random. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients. The event evaluated was death at any time within 180 days of admission to the hospital. With this approach, information about the early and later results of the hospitalization are provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term impacts. The choice of 180 days allows substantial followup consistent with timely reporting of HCFA data. Additionally, the decision to report the longer followup data necessitated the change from calendar to fiscal year analysis, since it provides at least 182 days followup while allowing us to report on quite recent hospitalizations. Another benefit of using a fiscal rather than a calendar year for analysis is that our files are maintained on a fiscal year basis and new Medicare rules are often instituted on a fiscal year basis.

For each hospital, information is presented for overall Medicare patient mortality and for each of 17 specific diagnostic or medical procedure categories. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate. A rule of thumb for using the SD to assess a hospital's performance appears later in this Introduction, and a more precise formula for the use of the SD is included in the Technical Appendix.

As we did in previous years' publications, we are including selected information about each hospital, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1989 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey Certification and Reporting System (OSCAR) file. These hospital characteristics are found at the bottom of each hospital's first summary data page. A more detailed description of the hospital characteristics appears later in this Introduction. It is important to note that these characteristics are provided for information only. They were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates. In the publication, we have arranged the States by HCFA regions. A hospital's summary data pages and any comments received are arranged alphabetically by hospital name in each State section. A complete listing of States by region and volume can be found in Table 1.

Before reviewing a hospital summary table, it would be helpful to describe how the numbers were derived and what they mean.

Number of Cases. This figure is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases selected for each hospital is presented under the category "All Causes." The eight condition and nine procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight condition categories, that same patient may also appear in one or more of the nine categories defined by a surgical procedure. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight condition categories. The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories cover less than half of all the hospitalized patients. (ICD-9-CM codes included in each condition and procedure category appear in Table 2.). These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; **they do not necessarily represent the cause of death.** HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS). This number is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90 or 180 days of the selected admission to the hospital. The percentage is rounded to the nearest one-tenth of a percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90 or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent. It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission. The observed mortality rate represents the percentage of beneficiaries in

a particular category who died during the selected time interval. As noted above, it does **not** represent the percentage whose death was caused by the particular condition or procedure.

Predicted Mortality Rate (PRED). This column gives a predicted mortality rate for patients included in the analysis for each hospital. The rate is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: principal diagnosis (grouped into 17 analytical risk categories), age, sex, previous hospital admissions within the prior six months, admission source (e.g., physician reference, skilled nursing facility reference), admission type (e.g., elective or emergency), and the presence of up to four comorbid conditions--cancer, chronic cardiovascular disease, chronic renal disease, and chronic liver disease. For additional details on the development of the rates, see the Technical Appendix at the end of this volume. For a list of the ICD-9-CM codes defining the comorbid conditions see Table 3. Two additional adjustments for patient risks were carried out. First, account was taken of the effect of the specific reason for admission--the principal diagnosis within each analytic category--on the probability of patient death. Second, the additional information carried by the grouping of patients into clinically informative categories was also used. This last adjustment proved particularly important in the case of the surgical categories, because the performance of a surgical procedure has substantial implications about the severity of illness.

Standard Deviation (SD). The standard deviation is a guide to how meaningful the difference between the observed and predicted mortality rate is. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience.

As a rule of thumb, if the difference is 1.2 times the SD, chances are 3 out of 4 that the difference is due to statistical variability observed nationally. If the difference is greater than 1.6 times the SD, there is only 1 chance in 10 that the difference is due to statistical variability; if the difference is more than 2.0 times the SD, there is only 1 chance in 20 that the difference is due to statistical variability; and if the difference is more than 2.6 times the SD, there is only 1 chance in 100 that the difference can be attributed to statistical variability rather than actual variation from what would be expected. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for concern may exist about the institution's performance. Further information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED are included in the Technical Appendix at the end of this volume. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, an asterisk (*) is placed in the SD column.

Information Sources and Notes

This publication is based primarily on Medicare hospital billing information for fiscal years 1987, 1988 and 1989. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1990 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year) 98 percent of all Medicare discharges in FY 1989 are included in the file.

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results for national estimates. It may, however, substantially affect an individual hospital if it was the source of the suspect information.

Nevertheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is reviewed.

The information used is billing data and is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities; all have a zero in the third position of their Medicare provider number. All other hospitals--those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions--were automatically excluded from the analysis. This year, as last, we also excluded hospices from the publication.

In some cases, we have included data for hospitals which closed, changed ownership, or changed management either during or subsequent to FY 1989. Nevertheless, data which are included for those institutions reflect the situation as it existed at the time the hospitalizations analyzed occurred.

There is some information in the MEDPAR file which does not reflect immediately the results of review by the Peer Review Organizations (PROs). For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that, in some instances, PRO changes in diagnosis assignment may not be

submitted and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, this type of change could have an effect on the calculation of mortality rates in individual categories and may also have a bearing on comorbidities.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted. It is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this publication may not be a direct measure of the quality of care rendered in the hospitals. One reason for this is that we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex and several other factors. This might happen because one hospital's stroke patients consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that this information is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including hospital administrators, physicians, and researchers. Among these audiences, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. For example, we know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are trying to determine what useful information can be derived about their hospitals and how they function. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed.

We believe that when this information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post-admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care and is best used to view experience in individual hospitals rather than for making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because of its patient mix. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We offered each hospital the opportunity to comment on the information contained in this volume, and we included in this publication those comments which were received by January 15, 1991. Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. More specifically, in June 1990 we presented the major changes--use of fiscal year data, use of random rather than last admission for analysis, use of the standard deviation rather than ranges, presentation of mortality rates at three time intervals--to these experts. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rate significantly exceeds the rate that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information publications. Many suggestions from these sources have been incorporated into this publication.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies very rarely impacted on a hospital's overall mortality rate. Most of these instances fell into the following three broad categories.

Inaccurate Date of Death. We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.

Data Posting Delays. In some instances, delays in posting data to the MEDPAR file created difficulties in prior years' analyses. However, because of the use of a fiscal, rather than calendar, year and of a random, rather than last, admission for analysis, this problem has largely been eliminated.

Discrepant Case Counts. Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this publication.

On December 6, 1990, we mailed mortality information to each hospital on its Medicare patients and asked for comments by January 15, 1991. Each hospital received the summary data information (as published here), as well as a list of all Medicare patients whose stay in that hospital in FY 1989 was selected for the analysis. The comments we received are generally reproduced as submitted by the hospital. However, in instances where hospitals returned an annotated copy of the HCFA information sent on December 6, we did not publish that annotated material, even in cases where these were the only comments submitted by the hospital. We took this action because of patient privacy concerns and/or because it would have duplicated information already provided on the hospital's summary data sheet. However, we have published a standard statement to identify instances where we received this type of response. Additionally, in cases where the hospital's response exceeded the two-page limit, which was specified in our communication of December 6, we have published only the first two pages of the material received. No attempt has been made to edit or condense the response provided by the hospital.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner in order to allow every opportunity for review and comment. Even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances are few in number.

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. These particular characteristics and services were selected as those of most interest to Medicare beneficiaries. (Thus, for example, we do not include information on specialty services such as Neonatal Intensive Care Units.) This information was obtained from the AHA 1989 Annual Survey of Hospitals. Where hospitals did not provide information to AHA on a particular item, it has been listed as not available. This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's OSCAR file.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the FY 1989 summary data information.

SURVEY AND YEAR: AHA 1989 Source = American Hospital Association 1989 Annual Survey of Hospital Files

Total beds (#): Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent): Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control: State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

STAFFING (as of 09/30/88):

Total number of physicians: Total active and associate medical staff.

Percent of physicians who are board-certified specialists: Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

AHA DEFINED SPECIALTY SERVICES:

Burn unit: Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac intensive care: Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric Assessment: Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. Includes the assessment of medical conditions, functional activities and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice care: A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/surgical intensive care: Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.

Organ transplant service equipment: The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.

Other intensive care: Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric and/or psychiatric care on the basis of physicians' orders and approved nursing plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Rehabilitation unit: Unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Trauma center: Provides emergency and specialized intensive care to critically injured patients.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Online Survey Certification and Reporting System (OSCAR) definitions of some characteristics found on the hospital's summary page containing the 1986, 1987, and 1988 mortality rates and ranges.

SURVEY AND YEAR: OSCAR 19__

Total beds (#): Total number of operational beds eligible for Medicare payment.

Ownership/control: Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

OSCAR DEFINED SPECIALTY SERVICES:

There are no specific definitions of specialty services in OSCAR. These characteristics are self-reported by each hospital at initial certification and recertification. However, they are generally understood to parallel the explicit AHA definitions.

Table 1
STATES BY REGION AND VOLUME

REGION	VOLUME	STATE
I Boston	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
	2	New Jersey, Puerto Rico, Virgin Islands
II New York	3	New York
	4	Delaware, District of Columbia, Maryland, Virginia, West Virginia
III Philadelphia	5	Pennsylvania
	6	Alabama, Georgia
IV Atlanta	7	Florida
	8	Kentucky, Mississippi, South Carolina
	9	North Carolina, Tennessee
V Chicago	10	Illinois
	11	Indiana, Michigan
	12	Minnesota, Wisconsin
	13	Ohio

VI	Dallas	14	Arkansas, Oklahoma
		15	Louisiana, New Mexico
		16	Texas (A - L)
		17	Texas (M - Z)
VII	Kansas City	18	Iowa, Kansas
		19	Missouri, Nebraska
VIII	Denver	20	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
IX	San Francisco	21	American Samoa/Guam, Arizona, Hawaii, Nevada
		22	California (A - L)
		23	California (M - Z)
X	Seattle	24	Alaska, Idaho, Oregon, Washington

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Table 2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Heart Disorders/Procedures:	
Acute Myocardial Infarction	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
Coronary Artery Bypass Graft	36.1 (P)
Pacemaker Insertion, Initial	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
Pulmonary Disorders:	
Pneumonia/Influenza	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy, 38.12 (P) at the time of admission
Stroke	431, 434-434.9, 436 (all D)
Carotid Endarterectomy	38.12 (P) with 433.1 (D), 433.3 (D), or 435 (D) as principal diagnosis

Musculoskeletal Disorders/Procedures:

Fracture of Neck of Femur	820 (D)
Hip Replacement/Revision	81.5, 81.6 (exclude 81.69) (81.51—81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur	79.35 (P) on condition of 820 (D) as principal diagnosis

Genitourinary Procedures:

Prostatectomy	60.2, 60.3-60.69 (all P)
Hysterectomy	68.3-68.7 (P)

Gastrointestinal Procedures:

Cholecystectomy	51.22 (P)
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Sepsis:

Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)
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Table 3
COMORBIDITY CONDITIONS
(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587
Chronic cardiovascular disease	412-414.9, 426-429.1

Arizona

ARROWHEAD COMMUNITY HOSPITAL/MED CENTER

18701 North 67th Ave
Glendale, AZ 85312

Medicare Provider Number: 030094

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	168	6.0	6.8	2.9	12.5	10.4	3.2	14.9	13.4	3.8
CONDITIONS:										
Acute Myocardial Infarction.....	5	40.0	19.2	*	60.0	22.6	*	60.0	25.9	*
Congestive Heart Failure.....	8	12.5	15.8	*	25.0	24.3	*	25.0	31.6	*
Pneumonia/Influenza.....	8	25.0	15.6	*	37.5	21.6	*	37.5	25.7	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	3.4	*	0.0	6.4	*	0.0	9.5	*
Transient Cerebral Ischemia.....	4	0.0	1.4	*	0.0	2.9	*	0.0	4.6	*
Stroke.....	3	0.0	11.8	*	0.0	16.2	*	0.0	19.6	*
Hip Fracture.....	3	0.0	5.0	*	0.0	8.9	*	0.0	11.7	*
Sepsis.....	1	0.0	6.5	*	0.0	9.5	*	0.0	12.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	2.9	*	0.0	4.9	*	0.0	6.3	*
Open Reduction of Hip Fracture.....	2	0.0	3.2	*	0.0	6.4	*	0.0	8.8	*
Prostatectomy.....	5	0.0	0.7	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy.....	4	0.0	1.1	*	0.0	1.9	*	0.0	2.4	*
Hysterectomy.....	3	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 87
Occupancy Rate..... 12
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 276
Percent of Physicians Board Certified Specialists..... 21
Medical Residents/Interns..... 0
Registered Nurses..... 55
Licensed Practical Nurses..... 5

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

ARROWHEAD COMMUNITY HOSPITAL/MED CENTER

Medicare Provider Number: 030094

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	0									
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	0									
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BENSON HOSPITAL

450 South Ocotillo

Benson, AZ 85602

Medicare Provider Number: 030054

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	170	7.6	8.6	2.3	13.5	12.8	2.6	19.4	16.6	3.5
CONDITIONS:										
Acute Myocardial Infarction.....	6	16.7	22.8	*	16.7	26.2	*	16.7	30.0	*
Congestive Heart Failure.....	11	0.0	12.1	*	18.2	19.1	*	27.3	25.3	*
Pneumonia/Influenza.....	12	0.0	14.9	*	0.0	20.2	*	16.7	25.0	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	8.0	*	0.0	14.2	*	0.0	19.7	*
Transient Cerebral Ischemia.....	1	0.0	3.8	*	0.0	8.4	*	0.0	13.7	*
Stroke.....	4	0.0	17.2	*	0.0	22.7	*	0.0	27.1	*
Hip Fracture.....	1	0.0	3.1	*	0.0	6.4	*	0.0	9.0	*
Sepsis.....	5	40.0	28.0	*	40.0	37.7	*	60.0	46.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*
Cholecystectomy.....	2	0.0	1.1	*	0.0	2.0	*	0.0	2.7	*
Hysterectomy.....	1	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 22
 Occupancy Rate..... 18
 Ownership/Control..... District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
 Percent of Physicians Board Certified Specialists..... (Not Available)
 Medical Residents/Interns..... (Not Available)
 Registered Nurses..... (Not Available)
 Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

BENSON HOSPITAL
Medicare Provider Number: 030054

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	157	8.3	9.8	2.7	13.4	14.1	3.9	15.9	17.7	4.1
CONDITIONS:										
Acute Myocardial Infarction.....	9	22.2	15.8	*	22.2	18.4	*	22.2	21.3	*
Congestive Heart Failure.....	4	0.0	16.2	*	0.0	23.7	*	0.0	30.1	*
Pneumonia/Influenza.....	21	23.8	16.1	*	28.6	21.8	*	33.3	26.5	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	8.0	*	0.0	16.3	*	0.0	23.7	*
Transient Cerebral Ischemia.....	4	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Stroke.....	3	0.0	18.1	*	0.0	23.3	*	0.0	27.7	*
Hip Fracture.....	0									
Sepsis.....	2	0.0	54.2	*	50.0	62.2	*	100.0	69.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	4	0.0	1.6	*	0.0	4.1	*	0.0	6.9	*
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	151	10.6	9.8	3.0	16.6	14.4	3.5	20.5	18.6	3.7
CONDITIONS:										
Acute Myocardial Infarction.....	9	11.1	20.4	*	22.2	23.1	*	22.2	26.4	*
Congestive Heart Failure.....	10	20.0	12.5	*	30.0	18.9	*	30.0	24.4	*
Pneumonia/Influenza.....	7	28.6	21.3	*	28.6	29.0	*	28.6	34.9	*
Chronic Obstructive Pulmonary Disease.....	9	0.0	8.2	*	11.1	15.3	*	22.2	21.3	*
Transient Cerebral Ischemia.....	3	0.0	2.2	*	0.0	4.8	*	0.0	7.7	*
Stroke.....	8	12.5	16.7	*	12.5	22.0	*	25.0	26.3	*
Hip Fracture.....	0									
Sepsis.....	4	25.0	28.7	*	25.0	33.8	*	25.0	38.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	2	0.0	4.5	*	0.0	12.1	*	0.0	21.2	*
Cholecystectomy.....	3	0.0	2.7	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BULLHEAD COMMUNITY HOSPITAL

2735 Silver Creek Road
Bullhead City, AZ 86430

Medicare Provider Number: 030086

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	692	10.4	8.7	1.5	15.2	12.7	2.0	18.2	16.0	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	32	28.1	22.5	*	31.3	25.5	*	37.5	28.7	*
Congestive Heart Failure.....	37	10.8	12.2	*	18.9	18.9	*	27.0	24.9	*
Pneumonia/Influenza.....	57	12.3	12.2	5.0	21.1	17.0	8.3	28.1	21.1	10.9
Chronic Obstructive Pulmonary Disease.....	24	12.5	8.5	*	12.5	13.9	*	12.5	18.5	*
Transient Cerebral Ischemia.....	3	0.0	1.6	*	0.0	3.3	*	0.0	5.2	*
Stroke.....	28	21.4	20.0	*	25.0	26.0	*	25.0	30.3	*
Hip Fracture.....	29	6.9	4.9	*	10.3	8.5	*	13.8	11.0	*
Sepsis.....	3	66.7	32.3	*	66.7	41.2	*	66.7	47.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	2.2	*	0.0	4.2	*	0.0	6.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	18	5.6	3.3	*	5.6	5.8	*	11.1	7.6	*
Open Reduction of Hip Fracture.....	14	7.1	4.1	*	14.3	7.7	*	14.3	10.2	*
Prostatectomy.....	35	0.0	0.9	*	0.0	2.0	*	2.9	3.3	*
Cholecystectomy.....	27	0.0	2.7	*	7.4	5.2	*	7.4	7.2	*
Hysterectomy.....	12	0.0	0.9	*	0.0	1.9	*	0.0	2.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds..... 68
Ownership/Control..... Private, Non-Profit

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 39
Licensed Practical Nurses..... 5

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

BULLHEAD COMMUNITY HOSPITAL

Medicare Provider Number: 030086

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	785	9.7	8.0	1.3	14.4	12.2	1.5	18.0	15.7	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	28	39.3	22.9	*	39.3	25.9	*	42.9	29.2	*
Congestive Heart Failure.....	37	10.8	13.1	*	24.3	20.3	*	35.1	26.6	*
Pneumonia/Influenza.....	64	14.1	15.2	4.9	23.4	20.9	5.9	25.0	25.4	5.7
Chronic Obstructive Pulmonary Disease.....	17	0.0	5.9	*	5.9	10.2	*	11.8	14.1	*
Transient Cerebral Ischemia.....	4	0.0	1.4	*	50.0	3.1	*	50.0	4.8	*
Stroke.....	16	25.0	19.1	*	31.3	24.3	*	31.3	28.5	*
Hip Fracture.....	15	20.0	8.5	*	26.7	15.6	*	26.7	20.0	*
Sepsis.....	1	100.0	26.7	*	100.0	32.6	*	100.0	39.1	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	1.8	*	0.0	3.5	*	0.0	5.4	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	11.1	4.7	*	22.2	9.4	*	22.2	12.8	*
Open Reduction of Hip Fracture.....	7	28.6	9.6	*	28.6	18.5	*	28.6	24.0	*
Prostatectomy.....	54	0.0	0.9	1.5	0.0	2.1	2.7	1.9	3.5	2.8
Cholecystectomy.....	21	4.8	1.5	*	4.8	2.7	*	4.8	3.7	*
Hysterectomy.....	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	756	7.9	8.2	1.5	11.6	12.3	2.3	14.0	15.6	2.2
CONDITIONS:										
Acute Myocardial Infarction.....	24	25.0	22.8	*	29.2	25.5	*	29.2	28.6	*
Congestive Heart Failure.....	32	15.6	15.3	*	21.9	23.3	*	28.1	30.1	*
Pneumonia/Influenza.....	53	11.3	13.5	5.3	20.8	18.8	6.1	20.8	23.1	6.7
Chronic Obstructive Pulmonary Disease.....	20	15.0	7.9	*	20.0	15.2	*	30.0	22.0	*
Transient Cerebral Ischemia.....	9	0.0	1.5	*	11.1	3.0	*	22.2	4.7	*
Stroke.....	9	22.2	19.5	*	22.2	26.0	*	22.2	30.6	*
Hip Fracture.....	14	7.1	5.0	*	7.1	9.2	*	14.3	12.3	*
Sepsis.....	5	0.0	29.4	*	40.0	36.0	*	40.0	42.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	0.0	3.8	*	14.3	6.6	*	28.6	9.2	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	3.5	*	0.0	7.3	*	25.0	10.6	*
Open Reduction of Hip Fracture.....	7	0.0	4.2	*	0.0	8.0	*	0.0	10.7	*
Prostatectomy.....	72	1.4	1.0	1.7	1.4	2.3	2.3	1.4	3.8	3.2
Cholecystectomy.....	21	0.0	3.3	*	0.0	5.4	*	0.0	7.1	*
Hysterectomy.....	1	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BULLHEAD COMMUNITY HOSPITAL

2735 Silver Creek Road/Bullhead City, Arizona 86442/(602) 763-2273



January 2, 1991

MEDICARE PROVIDER NUMBER: 030086

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert,

Upon receipt of the Medicare Hospital Mortality Information, we reviewed the 57 deaths assigned to the diagnostic categories portion of the FY 1989 mortality cases attributed to our hospital. Based on this study, I submit to you that the information to be published contains invalid, inconsistent and incomplete data which makes the report subject to gross misinterpretation by the public:

- Invalid data: All specified conditions/procedures categories having fewer than 50 cases are not statistically valid and should only be reported in the "All Causes" category. Without the "standard deviation" the information is misleading and promotes formation of erroneous conclusions by the public.
- Inconsistent data: The admission/discharge dates reported were not always the last hospitalization at this facility prior to the expiration date. Of the 57 cases, nine (9) patients had at least one more admission/discharge in FY 1989 and seven (7) of those were for conditions totally unrelated to the diagnostic category to which they were assigned. In each of those cases, the time-frame for death was, therefore, also inaccurate.

Case example: Your report shows a patient was in our hospital from 5/9/89 to 5/11/89 for a non-cancer prostatectomy followed by death on 9/1/89. In actuality, the patient was readmitted on 8/21/89 from our Hospice program with terminal cancer of the lung and discharged 8/25/89. Yet your report implies that this patient's death is a reflection of the "effectiveness of medical practice" and the "quality of care" related to prostatectomies performed at this hospital.

-2-

MEDICARE PROVIDER NUMBER: 030086

- Incomplete data: The report does not provide the public with certain facts that impact significantly on the interpretation of the data:

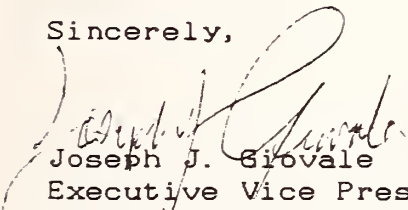
1. More than one hospital can be charged with the death of the same patient which raises the overall mortality rate significantly. Our study of the 57 cases showed that at least four (4) of those patients died following admission to another hospital and without readmission to our facility.
2. The actual cause of death may be totally unrelated to the treatment and care provided by the hospital; for example, motor vehicle or other accidental deaths.
3. The report is based solely on primary diagnosis without benefit of secondary or complicating medical problems that may have contributed to the death.

In conclusion, the Medicare Hospital Mortality Information report is in no way indicative of the effectiveness of medical practice and quality of care provided by this hospital. To present it as such in its current form is a discredit to this hospital and a disservice to our public.

Bullhead Community Hospital has an ongoing program to monitor, evaluate and improve the quality of care in compliance with the requirements of the Joint Commission for Accreditation of Health Organizations. To attempt to use your report for those purposes would not only be redundant but misdirected and inefficient.

Thank you for the opportunity to respond to this report. I trust that the comments will be given careful consideration should it be determined that such information is truly beneficial to the public.

Sincerely,



Joseph J. Grovale
Executive Vice President/CEO
Bullhead Community Hospital
2735 Silver Creek Road
Bullhead City, AZ 86442

CASA GRANDE REGIONAL MEDICAL CENTER

1800 East Florence Boulevard

Casa Grande, AZ 85222

Medicare Provider Number: 030016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	901	8.8	7.6	1.3	12.1	11.4	1.3	14.7	14.4	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	20	40.0	23.5	*	45.0	26.8	*	45.0	30.4	*
Congestive Heart Failure.....	38	18.4	13.9	*	26.3	20.6	*	34.2	26.5	*
Pneumonia/Influenza.....	57	14.0	13.2	6.4	22.8	18.1	8.2	26.3	22.3	7.6
Chronic Obstructive Pulmonary Disease.....	27	3.7	4.8	*	7.4	9.1	*	7.4	13.1	*
Transient Cerebral Ischemia.....	27	3.7	1.5	*	3.7	3.4	*	3.7	5.4	*
Stroke.....	27	14.8	16.4	*	22.2	22.6	*	22.2	26.9	*
Hip Fracture.....	20	5.0	4.8	*	5.0	8.7	*	5.0	11.4	*
Sepsis.....	6	33.3	22.4	*	33.3	29.7	*	33.3	36.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	0.9	*	0.0	1.8	*	0.0	2.8	*
Carotid Endarterectomy.....	4	0.0	1.5	*	0.0	3.1	*	0.0	4.9	*
Hip Replacement/Reconstruction.....	8	12.5	3.7	*	12.5	7.0	*	12.5	9.5	*
Open Reduction of Hip Fracture.....	12	0.0	4.3	*	0.0	8.1	*	0.0	10.9	*
Prostatectomy.....	36	2.8	1.1	*	2.8	2.6	*	2.8	4.4	*
Cholecystectomy.....	18	0.0	2.3	*	0.0	3.7	*	5.6	4.7	*
Hysterectomy.....	12	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 221
 Occupancy Rate..... 74
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 29
 Percent of Physicians Board Certified Specialists..... 79
 Medical Residents/Interns..... 0
 Registered Nurses..... 69
 Licensed Practical Nurses..... 10

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

CASA GRANDE REGIONAL MEDICAL CENTER

Medicare Provider Number: 030016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	754	7.8	8.0	1.0	11.3	11.9	1.3	13.5	15.2	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	19	26.3	25.5	*	31.6	28.2	*	31.6	31.5	*
Congestive Heart Failure.....	35	20.0	14.0	*	22.9	21.7	*	22.9	28.3	*
Pneumonia/Influenza.....	46	8.7	13.4	*	17.4	18.4	*	23.9	22.6	*
Chronic Obstructive Pulmonary Disease.....	27	7.4	4.6	*	7.4	8.7	*	7.4	12.4	*
Transient Cerebral Ischemia.....	22	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Stroke.....	28	10.7	18.6	*	21.4	24.1	*	25.0	28.6	*
Hip Fracture.....	23	8.7	6.3	*	13.0	12.0	*	17.4	16.0	*
Sepsis.....	9	22.2	22.8	*	33.3	27.2	*	33.3	32.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	2.1	*	0.0	4.5	*	0.0	6.9	*
Carotid Endarterectomy.....	2	0.0	4.0	*	0.0	8.4	*	0.0	12.4	*
Hip Replacement/Reconstruction.....	12	8.3	5.4	*	8.3	10.1	*	8.3	13.0	*
Open Reduction of Hip Fracture.....	13	7.7	5.0	*	7.7	10.6	*	15.4	15.1	*
Prostatectomy.....	17	0.0	1.1	*	0.0	2.5	*	0.0	4.1	*
Cholecystectomy.....	28	3.6	2.7	*	3.6	4.8	*	3.6	6.1	*
Hysterectomy.....	9	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	684	8.0	8.8	1.4	12.3	13.0	1.9	15.1	16.5	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	18	33.3	29.8	*	33.3	33.7	*	38.9	37.9	*
Congestive Heart Failure.....	42	16.7	15.6	*	28.6	23.6	*	38.1	30.2	*
Pneumonia/Influenza.....	40	17.5	15.3	*	20.0	21.3	*	22.5	26.2	*
Chronic Obstructive Pulmonary Disease.....	24	4.2	9.3	*	16.7	17.5	*	16.7	24.5	*
Transient Cerebral Ischemia.....	10	0.0	1.9	*	10.0	3.8	*	10.0	5.9	*
Stroke.....	30	13.3	23.9	*	20.0	29.5	*	33.3	34.1	*
Hip Fracture.....	14	7.1	4.1	*	7.1	7.5	*	14.3	10.0	*
Sepsis.....	1	0.0	40.4	*	100.0	62.9	*	100.0	74.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	9.6	*	0.0	12.6	*	33.3	15.1	*
Carotid Endarterectomy.....	3	0.0	2.1	*	0.0	4.3	*	0.0	6.5	*
Hip Replacement/Reconstruction.....	8	0.0	2.7	*	0.0	4.8	*	0.0	6.4	*
Open Reduction of Hip Fracture.....	9	11.1	3.4	*	11.1	6.6	*	22.2	9.1	*
Prostatectomy.....	14	0.0	1.3	*	0.0	3.0	*	0.0	4.9	*
Cholecystectomy.....	13	0.0	3.7	*	0.0	7.0	*	0.0	9.3	*
Hysterectomy.....	4	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CHANDLER REGIONAL HOSPITAL

475 South Dobson Road
Chandler, AZ 85224

Medicare Provider Number: 030036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,163	8.7	8.6	1.1	12.9	12.7	1.3	15.6	16.0	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	44	29.5	24.6	*	34.1	27.7	*	34.1	31.4	*
Congestive Heart Failure.....	53	15.1	16.4	6.7	24.5	24.6	6.4	34.0	31.5	8.6
Pneumonia/Influenza.....	64	15.6	13.1	6.9	20.3	17.9	6.5	21.9	21.9	5.5
Chronic Obstructive Pulmonary Disease.....	14	7.1	4.9	*	7.1	8.8	*	14.3	12.3	*
Transient Cerebral Ischemia.....	19	0.0	1.5	*	0.0	3.2	*	10.5	5.1	*
Stroke.....	41	31.7	20.3	*	34.1	25.8	*	34.1	29.9	*
Hip Fracture.....	16	6.3	4.8	*	12.5	8.6	*	12.5	11.2	*
Sepsis.....	12	8.3	18.8	*	8.3	24.1	*	8.3	28.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	11.1	5.5	*	11.1	8.8	*	11.1	11.4	*
Carotid Endarterectomy.....	8	0.0	1.6	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction.....	10	10.0	4.2	*	20.0	8.0	*	20.0	10.7	*
Open Reduction of Hip Fracture.....	5	0.0	4.5	*	0.0	8.4	*	0.0	11.1	*
Prostatectomy.....	72	0.0	1.3	*	0.0	3.0	*	0.0	4.8	*
Cholecystectomy.....	44	0.0	4.6	*	4.5	8.1	*	4.5	10.3	*
Hysterectomy.....	16	0.0	1.1	*	0.0	2.2	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 120
Occupancy Rate..... 62
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 88
Percent of Physicians Board Certified Specialists..... 51
Medical Residents/Interns..... 0
Registered Nurses..... 174
Licensed Practical Nurses..... 5

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

CHANDLER REGIONAL HOSPITAL

Medicare Provider Number: 030036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,327	8.7	8.6	0.8	13.0	12.9	1.4	16.1	16.3	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	43	23.3	28.0	*	32.6	31.1	*	39.5	34.6	*
Congestive Heart Failure.....	61	26.2	14.3	7.9	31.1	21.5	7.5	36.1	27.7	7.3
Pneumonia/Influenza.....	66	9.1	15.9	5.8	15.2	21.3	6.4	22.7	25.6	6.1
Chronic Obstructive Pulmonary Disease.....	27	11.1	6.9	*	14.8	12.0	*	25.9	16.4	*
Transient Cerebral Ischemia.....	19	0.0	2.0	*	0.0	4.6	*	0.0	7.3	*
Stroke.....	43	20.9	21.9	*	27.9	29.2	*	30.2	34.3	*
Hip Fracture.....	26	0.0	5.5	*	3.8	10.0	*	7.7	13.0	*
Sepsis.....	17	29.4	24.8	*	29.4	31.5	*	29.4	37.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	4.9	*	0.0	8.2	*	0.0	11.3	*
Carotid Endarterectomy.....	3	0.0	2.0	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction.....	17	5.9	3.0	*	11.8	5.3	*	11.8	7.0	*
Open Reduction of Hip Fracture.....	12	0.0	6.0	*	8.3	11.4	*	16.7	15.1	*
Prostatectomy.....	74	0.0	1.3	1.8	1.4	3.2	2.5	1.4	5.3	3.9
Cholecystectomy.....	48	4.2	5.8	*	8.3	10.5	*	8.3	13.4	*
Hysterectomy.....	13	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,353	8.4	7.5	0.9	11.4	11.4	0.9	14.0	14.7	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	39	48.7	25.4	*	48.7	28.4	*	53.8	32.0	*
Congestive Heart Failure.....	66	18.2	15.8	5.1	22.7	22.9	5.4	31.8	29.1	6.3
Pneumonia/Influenza.....	59	8.5	13.7	7.7	15.3	18.6	7.6	16.9	22.9	10.0
Chronic Obstructive Pulmonary Disease.....	31	6.5	10.4	*	16.1	17.4	*	16.1	22.7	*
Transient Cerebral Ischemia.....	33	0.0	1.9	*	0.0	4.3	*	0.0	6.9	*
Stroke.....	50	18.0	18.3	*	26.0	24.9	*	28.0	29.5	*
Hip Fracture.....	40	2.5	5.6	*	7.5	10.4	*	7.5	13.8	*
Sepsis.....	7	42.9	29.9	*	57.1	36.4	*	71.4	42.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	15	6.7	3.1	*	6.7	6.2	*	6.7	9.0	*
Carotid Endarterectomy.....	1	0.0	2.1	*	0.0	4.0	*	0.0	5.9	*
Hip Replacement/Reconstruction.....	18	5.6	3.2	*	5.6	6.1	*	5.6	8.2	*
Open Reduction of Hip Fracture.....	19	0.0	5.6	*	5.3	11.1	*	5.3	15.1	*
Prostatectomy.....	84	0.0	1.1	1.4	0.0	2.4	2.5	1.2	3.9	2.9
Cholecystectomy.....	42	2.4	3.2	*	2.4	5.2	*	4.8	6.5	*
Hysterectomy.....	10	10.0	4.2	*	10.0	5.5	*	10.0	6.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CHINLE COMPREHENSIVE CARE FACILITY

P O Box PH
Chinle, AZ 86503

Medicare Provider Number: 030084

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	172	7.6	11.4	2.9	13.4	17.6	4.0	15.1	22.3	4.6
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	21.3	*	33.3	24.8	*	33.3	28.4	*
Congestive Heart Failure.....	7	0.0	15.4	*	14.3	25.3	*	28.6	33.2	*
Pneumonia/Influenza.....	17	0.0	16.7	*	0.0	22.8	*	0.0	27.7	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	24.7	*	0.0	32.2	*	0.0	37.6	*
Hip Fracture.....	0									
Sepsis.....	4	25.0	35.2	*	50.0	43.8	*	50.0	50.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	2.5	*	20.0	4.6	*	20.0	6.1	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989		SPECIALTY SERVICES:	
Total Beds.....	60	Burn Unit.....	No
Occupancy Rate.....	55	Cardiac Intensive Care.....	No
Ownership/Control.....	Federal Government	Comprehensive Geriatric.....	Yes
STAFFING: (As of September 30, 1989)		Hospice Care.....	No
Total Number of Physicians.....	28	Medical/Surgical Intensive Care.....	Yes
Percent of Physicians Board Certified Specialists.....	93	Organ/Tissue Transplant.....	No
Medical Residents/Interns.....	25	Other Intensive Care.....	No
Registered Nurses.....	68	Rehabilitation Unit.....	No
Licensed Practical Nurses.....	15	Trauma Center.....	No

** Not used in calculating hospital mortality rates.

CHINLE COMPREHENSIVE CARE FACILITY

Medicare Provider Number: 030084

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	183	11.5	10.4	2.4	14.2	16.0	3.3	17.5	20.5	3.3
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	7	14.3	21.0	*	14.3	33.2	*	14.3	41.6	*
Pneumonia/Influenza.....	25	12.0	17.4	*	12.0	23.8	*	16.0	28.5	*
Chronic Obstructive Pulmonary Disease.....	3	33.3	14.4	*	33.3	28.1	*	33.3	39.6	*
Transient Cerebral Ischemia.....	1	0.0	2.5	*	0.0	5.1	*	0.0	7.9	*
Stroke.....	5	40.0	22.7	*	60.0	30.3	*	60.0	35.6	*
Hip Fracture.....	2	0.0	6.6	*	0.0	13.0	*	50.0	17.5	*
Sepsis.....	5	40.0	28.5	*	40.0	35.0	*	40.0	41.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	6	0.0	1.3	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	151	6.0	11.7	3.7	11.3	18.3	4.6	15.9	23.5	5.1
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	6	0.0	12.8	*	0.0	20.8	*	33.3	27.6	*
Pneumonia/Influenza.....	16	18.8	20.6	*	18.8	28.7	*	18.8	34.8	*
Chronic Obstructive Pulmonary Disease.....	3	33.3	7.5	*	33.3	13.8	*	33.3	18.5	*
Transient Cerebral Ischemia.....	1	0.0	1.7	*	0.0	3.8	*	0.0	6.0	*
Stroke.....	5	0.0	19.1	*	0.0	25.2	*	0.0	29.7	*
Hip Fracture.....	3	0.0	5.3	*	0.0	10.6	*	33.3	14.8	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	4	25.0	6.6	*	25.0	10.1	*	25.0	11.7	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

COMMUNITY GENERAL HOSPITAL

500 East Iowa
Holbrook, AZ 86025

Medicare Provider Number: 030091

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	48	8.3	8.7	*	12.5	13.0	*	14.6	16.8	*
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	27.4	*	33.3	30.8	*	33.3	35.0	*
Congestive Heart Failure.....	5	0.0	10.4	*	20.0	16.1	*	20.0	21.2	*
Pneumonia/Influenza.....	6	0.0	12.3	*	0.0	17.1	*	0.0	20.2	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	2	0.0	1.0	*	0.0	2.2	*	0.0	3.3	*
Stroke.....	2	0.0	14.5	*	0.0	22.2	*	0.0	26.8	*
Hip Fracture.....	1	0.0	12.5	*	0.0	22.3	*	0.0	28.2	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	100.0	7.9	*	100.0	19.1	*	100.0	31.4	*
Hysterectomy.....	1	0.0	0.4	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds..... 25
Ownership/Control..... Private, For Profit

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 6
Licensed Practical Nurses..... 2

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... No
Hospice..... No
Intensive Care Unit..... No
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

COMMUNITY GENERAL HOSPITAL

Medicare Provider Number: 030091

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	80	7.5	9.3	4.8	15.0	14.3	4.0	16.2	18.1	4.9
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	4	0.0	11.8	*	0.0	17.2	*	0.0	22.4	*
Pneumonia/Influenza.....	4	0.0	11.3	*	25.0	16.2	*	25.0	19.3	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	6.2	*	0.0	10.9	*	0.0	15.6	*
Transient Cerebral Ischemia.....	1	0.0	1.8	*	0.0	4.1	*	0.0	6.5	*
Stroke.....	7	42.9	20.3	*	42.9	28.0	*	42.9	32.6	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	1	0.0	0.0	*	0.0	0.1	*	0.0	0.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	74	10.8	10.5	3.7	12.2	14.9	4.7	14.9	18.7	6.0
CONDITIONS:										
Acute Myocardial Infarction.....	5	20.0	20.5	*	20.0	24.1	*	20.0	27.8	*
Congestive Heart Failure.....	6	33.3	16.6	*	33.3	24.8	*	33.3	31.5	*
Pneumonia/Influenza.....	5	20.0	12.8	*	20.0	17.1	*	20.0	21.0	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	100.0	22.4	*	100.0	44.9	*	100.0	58.7	*
Hysterectomy.....	3	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

COMMUNITY HOSPITAL MEDICAL CENTER

6501 North 19th Avenue

Phoenix, AZ 85015

Medicare Provider Number: 030059

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	450	9.3	8.8	1.4	13.1	13.4	1.8	14.9	17.1	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	13	23.1	28.5	*	38.5	31.8	*	38.5	35.5	*
Congestive Heart Failure.....	34	20.6	12.7	*	29.4	19.7	*	32.4	26.0	*
Pneumonia/Influenza.....	16	18.8	12.3	*	18.8	16.9	*	18.8	20.9	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	5.6	*	0.0	10.0	*	25.0	14.3	*
Transient Cerebral Ischemia.....	5	20.0	2.2	*	20.0	4.1	*	20.0	5.9	*
Stroke.....	11	27.3	21.8	*	36.4	30.6	*	45.5	36.1	*
Hip Fracture.....	11	27.3	8.5	*	36.4	15.6	*	36.4	20.2	*
Sepsis.....	5	0.0	30.2	*	20.0	38.3	*	20.0	46.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	1.7	*	0.0	3.7	*	0.0	5.8	*
Carotid Endarterectomy.....	3	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction.....	7	28.6	3.3	*	28.6	6.6	*	28.6	9.1	*
Open Reduction of Hip Fracture.....	5	20.0	9.3	*	20.0	17.0	*	20.0	21.6	*
Prostatectomy.....	26	0.0	0.8	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy.....	15	0.0	2.3	*	6.7	3.9	*	6.7	4.9	*
Hysterectomy.....	4	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 63
 Occupancy Rate..... 46
 Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 26
 Percent of Physicians Board Certified Specialists..... 85
 Medical Residents/Interns..... 2
 Registered Nurses..... 48
 Licensed Practical Nurses..... 6

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

COMMUNITY HOSPITAL MEDICAL CENTER

Medicare Provider Number: 030059

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	260	12.3	9.1	3.2	15.4	13.8	2.3	17.3	17.4	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	7	57.1	29.5	*	57.1	34.3	*	57.1	38.1	*
Congestive Heart Failure.....	10	20.0	14.2	*	30.0	21.1	*	40.0	27.4	*
Pneumonia/Influenza.....	10	30.0	13.7	*	40.0	18.6	*	40.0	22.7	*
Chronic Obstructive Pulmonary Disease.....	7	28.6	10.4	*	28.6	19.2	*	28.6	26.3	*
Transient Cerebral Ischemia.....	6	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*
Stroke.....	4	25.0	17.7	*	25.0	23.8	*	25.0	28.4	*
Hip Fracture.....	6	16.7	7.1	*	33.3	12.9	*	33.3	16.4	*
Sepsis.....	8	62.5	34.6	*	62.5	43.4	*	62.5	50.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	20.4	*	0.0	23.6	*	0.0	27.8	*
Carotid Endarterectomy.....	2	0.0	1.6	*	0.0	2.9	*	0.0	4.4	*
Hip Replacement/Reconstruction.....	3	0.0	4.3	*	0.0	7.7	*	0.0	9.6	*
Open Reduction of Hip Fracture.....	2	50.0	7.5	*	50.0	14.0	*	50.0	18.0	*
Prostatectomy.....	14	0.0	0.9	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy.....	4	0.0	5.6	*	0.0	10.8	*	0.0	14.8	*
Hysterectomy.....	3	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	248	7.7	7.4	1.7	11.7	11.1	2.1	13.3	14.1	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	1	100.0	25.9	*	100.0	28.6	*	100.0	31.8	*
Congestive Heart Failure.....	10	10.0	17.4	*	30.0	27.1	*	50.0	35.0	*
Pneumonia/Influenza.....	10	10.0	11.6	*	20.0	15.9	*	20.0	19.7	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	7.7	*	0.0	15.9	*	0.0	23.1	*
Transient Cerebral Ischemia.....	4	0.0	2.3	*	0.0	4.7	*	0.0	7.4	*
Stroke.....	4	50.0	21.4	*	50.0	27.5	*	50.0	32.2	*
Hip Fracture.....	2	0.0	4.7	*	50.0	9.2	*	50.0	12.4	*
Sepsis.....	5	20.0	24.5	*	40.0	30.3	*	40.0	34.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	5	0.0	2.0	*	0.0	4.0	*	0.0	5.8	*
Hip Replacement/Reconstruction.....	3	0.0	3.1	*	33.3	6.4	*	33.3	8.7	*
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	15	0.0	1.1	*	6.7	2.7	*	6.7	4.4	*
Cholecystectomy.....	7	0.0	2.5	*	0.0	4.2	*	0.0	5.0	*
Hysterectomy.....	1	0.0	4.1	*	0.0	8.8	*	0.0	12.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

COPPER QUEEN COMMUNITY HOSPITAL

101 Cole Avenue
Bisbee, AZ 85603

Medicare Provider Number: 030027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	234	10.7	9.1	2.1	14.5	13.9	2.4	17.1	17.6	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	7	28.6	21.5	*	28.6	27.1	*	42.9	31.2	*
Congestive Heart Failure.....	15	13.3	13.3	*	20.0	20.5	*	20.0	26.8	*
Pneumonia/Influenza.....	21	4.8	17.5	*	9.5	23.1	*	9.5	27.3	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	10.9	*	0.0	17.3	*	0.0	22.5	*
Transient Cerebral Ischemia.....	3	0.0	2.3	*	0.0	5.3	*	0.0	8.5	*
Stroke.....	7	28.6	14.8	*	42.9	20.8	*	42.9	25.1	*
Hip Fracture.....	9	11.1	5.0	*	11.1	9.0	*	11.1	11.9	*
Sepsis.....	5	20.0	22.2	*	20.0	27.8	*	20.0	32.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	25.0	3.8	*	25.0	7.2	*	25.0	9.6	*
Open Reduction of Hip Fracture.....	3	0.0	5.8	*	0.0	11.1	*	0.0	15.0	*
Prostatectomy.....	11	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Cholecystectomy.....	4	0.0	1.9	*	0.0	3.3	*	0.0	4.7	*
Hysterectomy.....	2	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 49
Occupancy Rate..... 59
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 12
Percent of Physicians Board Certified Specialists..... 100
Medical Residents/Interns..... 0
Registered Nurses..... 19
Licensed Practical Nurses..... 3

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

COPPER QUEEN COMMUNITY HOSPITAL

Medicare Provider Number: 030027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	246	12.2	9.5	2.2	15.4	14.4	2.3	18.3	18.2	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	13	38.5	24.5	*	38.5	27.2	*	46.2	30.3	*
Congestive Heart Failure.....	14	0.0	13.5	*	14.3	20.4	*	14.3	26.4	*
Pneumonia/Influenza.....	13	15.4	13.0	*	15.4	17.4	*	15.4	21.1	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	41.7	*	0.0	58.9	*	0.0	68.3	*
Transient Cerebral Ischemia.....	3	0.0	1.9	*	0.0	4.0	*	0.0	6.2	*
Stroke.....	7	28.6	16.5	*	28.6	22.3	*	28.6	27.0	*
Hip Fracture.....	7	14.3	5.5	*	14.3	10.0	*	14.3	12.9	*
Sepsis.....	3	0.0	13.4	*	0.0	19.1	*	0.0	23.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	3.6	*	0.0	7.8	*	0.0	11.0	*
Open Reduction of Hip Fracture.....	4	0.0	2.6	*	0.0	5.2	*	0.0	7.2	*
Prostatectomy.....	5	0.0	1.3	*	0.0	2.8	*	0.0	4.1	*
Cholecystectomy.....	3	0.0	4.7	*	0.0	8.5	*	0.0	10.6	*
Hysterectomy.....	1	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	218	11.0	9.2	2.1	12.8	14.1	2.7	17.0	17.9	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	4	50.0	33.4	*	50.0	36.2	*	50.0	39.7	*
Congestive Heart Failure.....	13	7.7	14.6	*	7.7	21.8	*	7.7	28.2	*
Pneumonia/Influenza.....	7	0.0	10.8	*	0.0	15.1	*	0.0	18.6	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	3	0.0	2.5	*	0.0	5.4	*	33.3	8.6	*
Stroke.....	9	44.4	21.1	*	55.6	27.7	*	55.6	32.7	*
Hip Fracture.....	5	0.0	6.2	*	0.0	11.1	*	0.0	14.2	*
Sepsis.....	4	50.0	20.7	*	50.0	28.6	*	50.0	34.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	5	0.0	5.3	*	0.0	10.1	*	0.0	13.2	*
Prostatectomy.....	4	0.0	1.1	*	0.0	2.6	*	0.0	4.4	*
Cholecystectomy.....	5	0.0	2.1	*	0.0	3.3	*	0.0	4.1	*
Hysterectomy.....	3	0.0	5.0	*	0.0	10.3	*	0.0	14.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

DEL E WEBB MEMORIAL HOSPITAL

14502 West Meeker Blvd

Sun City West, AZ 85375

Medicare Provider Number: 030093

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	721	7.8	8.3	1.3	11.8	12.3	1.9	14.7	15.5	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	29	34.5	26.0	*	37.9	29.6	*	41.4	33.2	*
Congestive Heart Failure.....	33	18.2	13.4	*	21.2	20.6	*	21.2	26.9	*
Pneumonia/Influenza.....	42	11.9	12.2	*	16.7	16.7	*	16.7	20.7	*
Chronic Obstructive Pulmonary Disease.....	13	30.8	7.1	*	46.2	12.1	*	46.2	16.6	*
Transient Cerebral Ischemia.....	12	0.0	1.5	*	0.0	3.1	*	0.0	4.8	*
Stroke.....	31	3.2	15.9	*	6.5	21.8	*	6.5	26.0	*
Hip Fracture.....	24	4.2	5.3	*	16.7	10.1	*	25.0	13.6	*
Sepsis.....	9	0.0	28.2	*	0.0	35.6	*	22.2	42.8	*
PROCEDURES:										
Angioplasty.....	1	0.0	9.5	*	0.0	10.6	*	0.0	12.1	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	1.2	*	0.0	2.7	*	0.0	4.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	18	5.6	3.3	*	5.6	6.4	*	11.1	8.6	*
Open Reduction of Hip Fracture.....	11	0.0	5.0	*	18.2	10.2	*	27.3	14.1	*
Prostatectomy.....	27	0.0	1.1	*	3.7	2.5	*	3.7	3.9	*
Cholecystectomy.....	24	4.2	2.7	*	4.2	4.5	*	4.2	5.8	*
Hysterectomy.....	14	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 87
 Occupancy Rate..... 68
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 84
 Percent of Physicians Board Certified Specialists..... 82
 Medical Residents/Interns..... 0
 Registered Nurses..... 74
 Licensed Practical Nurses..... 1

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... Yes
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

DEL E WEBB MEMORIAL HOSPITAL

Medicare Provider Number: 030093

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	400	9.0	8.7	1.4	13.0	13.1	2.0	14.0	16.5	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	19	21.1	27.5	*	26.3	30.6	*	26.3	33.7	*
Congestive Heart Failure.....	8	12.5	12.2	*	25.0	18.7	*	37.5	24.6	*
Pneumonia/Influenza.....	11	18.2	11.2	*	18.2	15.2	*	18.2	18.7	*
Chronic Obstructive Pulmonary Disease.....	9	33.3	11.0	*	33.3	19.0	*	33.3	25.8	*
Transient Cerebral Ischemia.....	3	0.0	1.6	*	0.0	3.3	*	0.0	5.2	*
Stroke.....	12	0.0	20.2	*	0.0	24.9	*	8.3	28.9	*
Hip Fracture.....	13	0.0	5.2	*	0.0	9.3	*	7.7	12.0	*
Sepsis.....	4	25.0	13.5	*	25.0	20.6	*	25.0	26.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	9.4	*	0.0	14.0	*	0.0	17.3	*
Carotid Endarterectomy.....	2	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction.....	7	0.0	3.3	*	0.0	6.1	*	0.0	7.9	*
Open Reduction of Hip Fracture.....	9	0.0	4.8	*	0.0	9.0	*	11.1	12.0	*
Prostatectomy.....	9	0.0	1.2	*	0.0	3.0	*	0.0	5.0	*
Cholecystectomy.....	13	0.0	3.3	*	0.0	5.8	*	0.0	7.2	*
Hysterectomy.....	2	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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14502 West Meeker Boulevard
P.O. Box 5169
Sun City West, AZ 85375
(602) 931-9322

January 8, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The following comments are submitted in response to the published FY 1989 Medicare Hospital Mortality Rates for Del E. Webb Memorial Hospital (Medicare Provider #030093).

Our interpretation of the published data is to recognize that our observed mortality rates for "all causes" at 30 day, 90 day and 180 day levels are lower than the predicted mortality rate. Other than that stated above, we feel no other conclusions can be drawn from the data because of inadequate sample size for the specific conditions and procedures listed. Each specific procedure and condition listed in the report contains a reference to an inadequate sample size; specifically, the report explains "The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation." In instances when the sample size is too small for computation of a standard deviation, the data must be considered uninterpretable. In other words, when an adequate sample size is not available one cannot know whether there is a real difference between the observed and predicted rates.

With the exception of drawing conclusions from the data where there is not an adequate sample size to determine a standard deviation, we have no other objections to the data presented.

Sincerely,

Thomas C. Dickson
Executive Vice President

TCD:rc

cc: Leland W. Peterson

DESERT SAMARITAN MEDICAL CENTER

1400 South Dobson Road
Mesa, AZ 85202

Medicare Provider Number: 030065

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,455	8.7	8.3	0.6	13.3	13.2	0.7	16.5	17.0	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	115	20.0	19.4	3.7	24.3	22.6	4.2	27.8	25.9	5.8
Congestive Heart Failure.....	115	18.3	13.7	4.5	28.7	21.9	7.0	36.5	29.0	7.6
Pneumonia/Influenza.....	126	15.9	13.3	5.2	25.4	18.8	7.4	29.4	23.2	8.0
Chronic Obstructive Pulmonary Disease.....	34	17.6	9.5	*	26.5	15.0	*	29.4	19.7	*
Transient Cerebral Ischemia.....	46	4.3	1.7	*	4.3	3.8	*	4.3	6.0	*
Stroke.....	116	17.2	18.5	3.8	25.0	25.2	4.2	29.3	29.9	4.3
Hip Fracture.....	83	3.6	5.1	2.6	8.4	9.4	3.7	10.8	12.5	5.3
Sepsis.....	27	44.4	24.9	*	51.9	33.6	*	55.6	39.6	*
PROCEDURES:										
Angioplasty.....	40	5.0	2.5	*	5.0	3.3	*	7.5	4.5	*
Coronary Artery Bypass Graft.....	69	8.7	5.9	3.6	10.1	8.0	5.3	13.0	9.6	5.8
Initial Pacemaker Insertion.....	16	0.0	1.8	*	0.0	3.6	*	0.0	5.4	*
Carotid Endarterectomy.....	9	0.0	1.7	*	0.0	3.5	*	0.0	5.3	*
Hip Replacement/Reconstruction.....	75	1.3	2.8	2.2	5.3	5.4	3.2	6.7	7.4	4.4
Open Reduction of Hip Fracture.....	31	3.2	4.0	*	6.5	7.8	*	6.5	10.7	*
Prostatectomy.....	106	0.0	1.1	*	0.0	2.7	*	0.9	4.4	*
Cholecystectomy.....	102	2.0	3.4	3.1	4.9	6.4	4.7	4.9	8.4	4.2
Hysterectomy.....	51	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 298
Occupancy Rate..... 79
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 367
Percent of Physicians Board Certified Specialists..... 79
Medical Residents/Interns..... 0
Registered Nurses..... 215
Licensed Practical Nurses..... 18

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... Yes
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

DESERT SAMARITAN MEDICAL CENTER

Medicare Provider Number: 030065

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,589	8.9	8.1	0.5	13.5	12.9	0.6	16.7	16.5	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	95	20.0	22.4	4.4	23.2	25.4	4.6	27.4	28.6	4.7
Congestive Heart Failure.....	109	17.4	13.7	5.6	23.9	21.6	5.5	32.1	28.2	7.1
Pneumonia/Influenza.....	137	17.5	15.1	4.9	22.6	21.0	4.3	27.0	25.6	5.0
Chronic Obstructive Pulmonary Disease.....	54	7.4	12.1	5.5	18.5	19.2	5.5	27.8	24.8	6.6
Transient Cerebral Ischemia.....	61	4.9	1.8	2.9	8.2	3.9	4.1	11.5	6.1	6.1
Stroke.....	126	14.3	18.9	4.7	19.8	25.2	6.3	23.0	29.7	6.8
Hip Fracture.....	93	8.6	5.1	4.6	11.8	9.6	4.4	15.1	12.8	4.5
Sepsis.....	23	30.4	25.3	*	30.4	32.8	*	43.5	39.0	*
PROCEDURES:										
Angioplasty.....	39	0.0	2.6	*	0.0	3.3	*	0.0	4.2	*
Coronary Artery Bypass Graft.....	76	9.2	6.5	5.1	13.2	8.9	5.7	13.2	10.4	5.6
Initial Pacemaker Insertion.....	14	0.0	2.7	*	0.0	5.1	*	14.3	7.4	*
Carotid Endarterectomy.....	10	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction.....	89	3.4	2.4	1.8	4.5	4.8	2.9	4.5	6.7	4.1
Open Reduction of Hip Fracture.....	41	7.3	4.7	*	12.2	9.2	*	19.5	12.4	*
Prostatectomy.....	135	1.5	1.1	1.2	1.5	2.8	2.0	3.7	4.6	3.4
Cholecystectomy.....	78	3.8	3.0	2.4	6.4	5.6	2.7	7.7	7.4	3.2
Hysterectomy.....	32	0.0	0.8	*	3.1	1.6	*	6.3	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,609	9.0	8.2	0.8	13.0	13.0	0.7	16.0	16.6	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	103	30.1	23.8	9.0	33.0	26.9	8.8	35.9	30.2	8.7
Congestive Heart Failure.....	121	24.8	14.9	5.5	33.1	23.0	6.3	41.3	29.8	6.6
Pneumonia/Influenza.....	113	12.4	14.1	3.4	15.9	19.6	4.1	20.4	24.2	4.3
Chronic Obstructive Pulmonary Disease.....	55	14.5	9.0	7.3	20.0	15.5	6.6	23.6	20.6	6.3
Transient Cerebral Ischemia.....	76	2.6	1.5	1.8	5.3	3.2	2.7	5.3	5.0	3.7
Stroke.....	110	10.9	16.8	7.0	19.1	23.2	8.9	22.7	27.8	7.8
Hip Fracture.....	57	7.0	4.9	5.7	17.5	9.5	7.8	21.1	13.2	9.2
Sepsis.....	22	18.2	25.0	*	27.3	34.7	*	31.8	41.2	*
PROCEDURES:										
Angioplasty.....	66	4.5	3.2	2.5	6.1	4.2	3.1	6.1	5.4	3.0
Coronary Artery Bypass Graft.....	98	11.2	6.1	4.1	14.3	8.6	4.3	14.3	10.1	4.2
Initial Pacemaker Insertion.....	15	0.0	2.5	*	0.0	5.0	*	0.0	7.4	*
Carotid Endarterectomy.....	16	0.0	1.8	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction.....	65	4.6	2.6	2.7	7.7	5.6	3.8	10.8	8.1	6.8
Open Reduction of Hip Fracture.....	22	4.5	4.5	*	22.7	9.1	*	27.3	12.8	*
Prostatectomy.....	123	0.8	1.1	0.9	1.6	2.5	1.7	3.3	4.1	2.3
Cholecystectomy.....	96	1.0	3.0	2.9	3.1	5.6	4.2	5.2	7.4	4.8
Hysterectomy.....	46	2.2	2.5	*	2.2	3.8	*	4.3	4.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

EL DORADO MEDICAL CENTER

1400 North Wilmot Road
Tucson, AZ 85712

Medicare Provider Number: 030080

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,059	6.9	7.3	0.8	11.4	11.5	0.9	14.1	14.8	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	76	13.2	21.8	7.0	18.4	24.6	6.4	23.7	27.7	5.5
Congestive Heart Failure.....	84	11.9	14.4	5.2	21.4	22.7	6.0	26.2	29.6	5.8
Pneumonia/Influenza.....	69	8.7	13.7	5.2	20.3	19.2	4.8	23.2	23.4	5.7
Chronic Obstructive Pulmonary Disease.....	31	12.9	8.2	*	19.4	13.8	*	29.0	18.8	*
Transient Cerebral Ischemia.....	15	0.0	1.9	*	0.0	4.3	*	0.0	7.1	*
Stroke.....	49	12.2	17.6	*	18.4	23.9	*	18.4	28.2	*
Hip Fracture.....	55	5.5	4.6	4.2	10.9	8.6	6.3	14.5	11.6	6.1
Sepsis.....	6	33.3	29.3	*	50.0	40.3	*	66.7	49.5	*
PROCEDURES:										
Angioplasty.....	96	4.2	3.5	2.3	6.3	4.5	2.7	7.3	5.8	3.3
Coronary Artery Bypass Graft.....	48	10.4	5.2	*	18.8	7.7	*	18.8	9.4	*
Initial Pacemaker Insertion.....	25	4.0	3.8	*	4.0	7.3	*	4.0	10.7	*
Carotid Endarterectomy.....	5	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction.....	34	2.9	2.0	*	5.9	4.0	*	8.8	5.5	*
Open Reduction of Hip Fracture.....	33	6.1	4.2	*	12.1	8.3	*	15.2	11.2	*
Prostatectomy.....	78	0.0	1.2	1.5	2.6	3.0	2.5	3.8	5.2	3.2
Cholecystectomy.....	33	6.1	1.7	*	12.1	2.9	*	12.1	3.8	*
Hysterectomy.....	12	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 146
Occupancy Rate..... 66
Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 782
Percent of Physicians Board Certified Specialists..... 71
Medical Residents/Interns..... 0
Registered Nurses..... 148
Licensed Practical Nurses..... 12

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... No

** Not used in calculating hospital mortality rates.

EL DORADO MEDICAL CENTER

Medicare Provider Number: 030080

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,127	6.8	7.1	0.7	11.0	11.1	0.7	14.8	14.3	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	78	26.9	23.6	6.6	29.5	26.5	6.0	30.8	29.7	5.4
Congestive Heart Failure.....	89	15.7	15.5	4.0	24.7	23.9	5.5	41.6	30.9	6.8
Pneumonia/Influenza.....	58	15.5	13.3	4.9	20.7	18.8	5.4	24.1	23.0	5.6
Chronic Obstructive Pulmonary Disease.....	29	6.9	7.3	*	10.3	12.8	*	17.2	17.3	*
Transient Cerebral Ischemia.....	22	0.0	2.1	*	4.5	4.5	*	9.1	7.0	*
Stroke.....	53	15.1	16.8	7.3	17.0	23.4	8.9	24.5	27.7	8.4
Hip Fracture.....	49	4.1	5.6	*	12.2	10.7	*	14.3	14.3	*
Sepsis.....	12	25.0	20.2	*	33.3	27.2	*	41.7	32.9	*
PROCEDURES:										
Angioplasty.....	82	7.3	4.1	4.4	8.5	5.3	4.9	11.0	6.5	5.6
Coronary Artery Bypass Graft.....	58	10.3	6.7	4.6	12.1	9.3	4.6	12.1	10.9	4.5
Initial Pacemaker Insertion.....	22	0.0	4.2	*	4.5	8.2	*	9.1	11.8	*
Carotid Endarterectomy.....	3	0.0	1.6	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction.....	39	0.0	2.1	*	0.0	4.1	*	0.0	5.6	*
Open Reduction of Hip Fracture.....	24	4.2	5.9	*	20.8	11.8	*	25.0	16.1	*
Prostatectomy.....	82	2.4	1.1	1.8	2.4	2.7	1.8	6.1	4.4	2.7
Cholecystectomy.....	42	2.4	1.8	*	2.4	3.2	*	2.4	4.1	*
Hysterectomy.....	15	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,024	5.5	6.9	0.8	8.6	10.9	1.1	11.9	14.2	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	51	23.5	23.1	5.9	23.5	26.3	6.5	25.5	29.7	7.7
Congestive Heart Failure.....	61	14.8	16.5	4.8	23.0	25.4	5.7	36.1	32.8	6.2
Pneumonia/Influenza.....	48	10.4	13.3	*	14.6	18.9	*	16.7	23.4	*
Chronic Obstructive Pulmonary Disease.....	40	15.0	9.6	*	20.0	16.6	*	25.0	22.0	*
Transient Cerebral Ischemia.....	23	0.0	2.2	*	0.0	4.7	*	0.0	7.4	*
Stroke.....	60	13.3	16.6	5.6	21.7	23.8	5.9	25.0	28.4	6.7
Hip Fracture.....	34	5.9	4.8	*	14.7	9.5	*	20.6	13.0	*
Sepsis.....	23	8.7	20.4	*	8.7	28.6	*	13.0	34.3	*
PROCEDURES:										
Angioplasty.....	62	3.2	3.0	2.3	3.2	3.9	2.8	3.2	5.0	3.7
Coronary Artery Bypass Graft.....	36	2.8	5.9	*	5.6	8.5	*	5.6	10.1	*
Initial Pacemaker Insertion.....	19	5.3	3.1	*	5.3	6.1	*	5.3	9.0	*
Carotid Endarterectomy.....	9	0.0	1.8	*	0.0	3.4	*	0.0	4.8	*
Hip Replacement/Reconstruction.....	30	6.7	2.3	*	13.3	4.6	*	20.0	6.4	*
Open Reduction of Hip Fracture.....	13	0.0	3.9	*	7.7	8.1	*	7.7	11.2	*
Prostatectomy.....	90	0.0	0.9	1.3	2.2	2.2	2.0	2.2	3.7	2.5
Cholecystectomy.....	41	2.4	2.4	*	7.3	4.4	*	7.3	5.8	*
Hysterectomy.....	22	0.0	1.6	*	0.0	3.3	*	0.0	4.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FLAGSTAFF MEDICAL CENTER

1200 North Beaver Street

Flagstaff, AZ 86001

Medicare Provider Number: 030023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	920	7.1	7.3	0.9	9.7	11.1	1.2	12.7	14.2	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	29	13.8	19.0	*	17.2	22.1	*	20.7	25.6	*
Congestive Heart Failure.....	33	9.1	11.3	*	12.1	17.5	*	27.3	23.3	*
Pneumonia/Influenza.....	38	10.5	11.8	*	10.5	16.5	*	13.2	20.5	*
Chronic Obstructive Pulmonary Disease.....	12	33.3	7.0	*	33.3	11.8	*	33.3	16.0	*
Transient Cerebral Ischemia.....	11	0.0	1.7	*	0.0	3.9	*	0.0	6.4	*
Stroke.....	41	22.0	18.3	*	31.7	24.7	*	34.1	29.1	*
Hip Fracture.....	25	12.0	4.0	*	20.0	7.9	*	24.0	10.8	*
Sepsis.....	8	37.5	30.3	*	37.5	37.9	*	37.5	44.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	1.7	*	0.0	3.5	*	0.0	5.5	*
Carotid Endarterectomy.....	4	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction.....	15	0.0	2.0	*	6.7	3.9	*	6.7	5.5	*
Open Reduction of Hip Fracture.....	17	17.6	3.4	*	23.5	6.9	*	29.4	9.7	*
Prostatectomy.....	49	0.0	1.2	*	0.0	3.2	*	0.0	5.6	*
Cholecystectomy.....	23	0.0	1.4	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy.....	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds..... 128
 Occupancy Rate..... 61
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 92
 Percent of Physicians Board Certified Specialists..... 78
 Medical Residents/Interns..... 0
 Registered Nurses..... 148
 Licensed Practical Nurses..... 4

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... Yes
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... Yes
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

FLAGSTAFF MEDICAL CENTER

Medicare Provider Number: 030023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	913	7.1	8.2	1.1	10.7	12.4	1.3	13.1	15.7	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	24	33.3	25.1	*	33.3	27.7	*	33.3	31.2	*
Congestive Heart Failure.....	27	11.1	12.8	*	11.1	19.4	*	14.8	25.5	*
Pneumonia/Influenza.....	33	6.1	10.8	*	6.1	15.2	*	6.1	18.9	*
Chronic Obstructive Pulmonary Disease.....	8	0.0	13.7	*	0.0	23.3	*	12.5	31.0	*
Transient Cerebral Ischemia.....	15	0.0	2.0	*	0.0	4.3	*	0.0	6.8	*
Stroke.....	32	21.9	18.1	*	31.3	24.9	*	31.3	29.3	*
Hip Fracture.....	28	0.0	3.9	*	0.0	7.6	*	3.6	10.2	*
Sepsis.....	14	21.4	33.4	*	21.4	41.0	*	28.6	47.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*
Carotid Endarterectomy.....	3	0.0	1.7	*	33.3	3.4	*	33.3	5.1	*
Hip Replacement/Reconstruction.....	23	4.3	2.6	*	4.3	5.1	*	4.3	7.0	*
Open Reduction of Hip Fracture.....	13	0.0	3.8	*	0.0	7.7	*	0.0	10.6	*
Prostatectomy.....	58	1.7	1.3	1.6	1.7	3.3	2.8	3.4	5.6	3.6
Cholecystectomy.....	24	4.2	2.9	*	8.3	5.0	*	8.3	6.4	*
Hysterectomy.....	4	0.0	1.0	*	0.0	2.1	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	785	6.5	8.9	1.3	9.6	13.1	1.7	13.6	16.4	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	20	25.0	25.2	*	25.0	28.0	*	40.0	31.7	*
Congestive Heart Failure.....	20	10.0	15.2	*	25.0	22.7	*	30.0	29.1	*
Pneumonia/Influenza.....	29	6.9	11.0	*	6.9	15.6	*	10.3	19.4	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	7.5	*	0.0	13.1	*	0.0	18.7	*
Transient Cerebral Ischemia.....	14	0.0	2.1	*	0.0	4.5	*	7.1	7.0	*
Stroke.....	22	18.2	19.3	*	27.3	25.4	*	27.3	29.7	*
Hip Fracture.....	30	3.3	3.7	*	10.0	7.0	*	13.3	9.5	*
Sepsis.....	8	25.0	25.4	*	25.0	31.1	*	25.0	36.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*
Carotid Endarterectomy.....	3	0.0	1.6	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction.....	19	5.3	1.9	*	5.3	4.0	*	10.5	5.6	*
Open Reduction of Hip Fracture.....	18	5.6	3.6	*	16.7	7.1	*	22.2	9.6	*
Prostatectomy.....	49	0.0	1.0	*	0.0	2.3	*	0.0	3.9	*
Cholecystectomy.....	24	12.5	6.3	*	16.7	10.5	*	16.7	13.0	*
Hysterectomy.....	5	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GILA GENERAL HOSPITAL1100 Monroe St
Globe, AZ 85501

Medicare Provider Number: 030051

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	205	8.8	9.5	2.2	12.2	13.7	3.3	14.6	17.2	4.2
CONDITIONS:										
Acute Myocardial Infarction.....	7	42.9	38.8	*	42.9	43.5	*	42.9	48.1	*
Congestive Heart Failure.....	9	44.4	16.5	*	44.4	26.8	*	44.4	35.0	*
Pneumonia/Influenza.....	9	0.0	16.3	*	22.2	22.3	*	33.3	26.8	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	8.2	*	14.3	13.4	*	14.3	17.4	*
Transient Cerebral Ischemia.....	0									
Stroke.....	12	16.7	19.3	*	16.7	25.1	*	16.7	29.7	*
Hip Fracture.....	6	0.0	3.2	*	0.0	6.0	*	0.0	8.1	*
Sepsis.....	2	100.0	26.2	*	100.0	31.2	*	100.0	37.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	2.5	*	0.0	5.5	*	0.0	8.7	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	5	0.0	2.9	*	0.0	5.9	*	0.0	8.2	*
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	6	0.0	3.1	*	0.0	4.9	*	0.0	6.3	*
Hysterectomy.....	1	0.0	0.4	*	0.0	0.6	*	100.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 113
Occupancy Rate..... 62
Ownership/Control..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 27
Percent of Physicians Board Certified Specialists..... 63
Medical Residents/Interns..... 0
Registered Nurses..... 26
Licensed Practical Nurses..... 10

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

GILA GENERAL HOSPITAL

Medicare Provider Number: 030051

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	239	12.6	11.3	3.1	18.8	15.9	3.5	20.9	19.6	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	10	50.0	31.5	*	50.0	34.3	*	50.0	37.6	*
Congestive Heart Failure.....	11	27.3	22.3	*	36.4	29.8	*	36.4	36.5	*
Pneumonia/Influenza.....	10	40.0	13.8	*	50.0	19.2	*	60.0	23.0	*
Chronic Obstructive Pulmonary Disease.....	18	5.6	7.8	*	11.1	13.4	*	16.7	18.5	*
Transient Cerebral Ischemia.....	9	11.1	1.8	*	11.1	4.0	*	11.1	6.4	*
Stroke.....	6	0.0	21.7	*	0.0	29.2	*	16.7	34.7	*
Hip Fracture.....	7	0.0	5.0	*	0.0	9.4	*	0.0	12.4	*
Sepsis.....	3	0.0	29.8	*	33.3	34.4	*	33.3	39.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	2.4	*	0.0	4.6	*	0.0	6.0	*
Open Reduction of Hip Fracture.....	4	0.0	3.8	*	0.0	7.8	*	0.0	10.8	*
Prostatectomy.....	0									
Cholecystectomy.....	12	0.0	5.6	*	16.7	11.6	*	16.7	16.2	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	223	9.4	9.4	2.0	12.1	14.0	3.1	17.9	17.7	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	9	44.4	21.5	*	44.4	24.5	*	44.4	27.6	*
Congestive Heart Failure.....	17	5.9	14.8	*	11.8	22.6	*	11.8	29.3	*
Pneumonia/Influenza.....	3	0.0	15.0	*	0.0	20.7	*	33.3	25.5	*
Chronic Obstructive Pulmonary Disease.....	10	30.0	10.0	*	30.0	16.9	*	50.0	22.3	*
Transient Cerebral Ischemia.....	4	0.0	2.5	*	0.0	5.3	*	0.0	8.5	*
Stroke.....	8	12.5	15.5	*	12.5	20.6	*	12.5	24.9	*
Hip Fracture.....	5	0.0	4.5	*	0.0	8.8	*	0.0	12.0	*
Sepsis.....	1	0.0	22.4	*	0.0	26.7	*	0.0	31.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	4.9	*	0.0	10.0	*	50.0	14.3	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	3.0	*	0.0	5.6	*	0.0	7.6	*
Open Reduction of Hip Fracture.....	2	0.0	3.9	*	0.0	8.1	*	0.0	11.3	*
Prostatectomy.....	0									
Cholecystectomy.....	3	0.0	1.8	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GOOD SAMARITAN REGIONAL MEDICAL CENTER

1111 East McDowell Rd
Phoenix, AZ 85006

Medicare Provider Number: 030002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,540	7.5	8.0	0.7	11.7	12.6	0.7	15.2	16.2	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	151	17.9	23.7	5.0	24.5	26.9	4.7	28.5	30.4	3.9
Congestive Heart Failure.....	135	19.3	13.6	6.1	26.7	21.5	7.1	34.1	28.2	7.7
Pneumonia/Influenza.....	127	9.4	13.9	3.9	15.0	19.3	4.6	16.5	23.8	6.0
Chronic Obstructive Pulmonary Disease.....	69	14.5	8.2	6.6	18.8	14.3	7.7	27.5	19.7	9.2
Transient Cerebral Ischemia.....	31	0.0	1.4	*	3.2	3.1	*	3.2	4.8	*
Stroke.....	104	19.2	17.9	4.5	26.9	23.7	5.1	31.7	28.0	7.1
Hip Fracture.....	107	7.5	5.7	3.8	11.2	10.5	3.1	15.0	13.8	3.6
Sepsis.....	43	20.9	21.5	*	30.2	30.4	*	34.9	37.0	*
PROCEDURES:										
Angioplasty.....	82	2.4	3.5	2.3	3.7	4.5	2.6	4.9	5.7	2.8
Coronary Artery Bypass Graft.....	167	6.6	5.9	1.9	9.6	8.7	2.3	9.6	10.6	2.5
Initial Pacemaker Insertion.....	47	0.0	2.5	*	2.1	5.0	*	2.1	7.6	*
Carotid Endarterectomy.....	11	0.0	1.4	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction.....	90	2.2	2.5	1.7	4.4	4.8	2.4	6.7	6.6	2.6
Open Reduction of Hip Fracture.....	62	9.7	5.5	5.5	14.5	10.6	6.1	17.7	14.2	5.9
Prostatectomy.....	132	0.8	1.1	1.1	2.3	2.5	1.7	4.5	4.2	1.9
Cholecystectomy.....	80	2.5	3.8	2.5	6.3	7.1	3.4	7.5	9.4	3.8
Hysterectomy.....	71	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds..... 621
Occupancy Rate..... 68
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 919
Percent of Physicians Board Certified Specialists..... 67
Medical Residents/Interns..... 156
Registered Nurses..... 637
Licensed Practical Nurses..... 126

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

GOOD SAMARITAN REGIONAL MEDICAL CENTER

Medicare Provider Number: 030002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,776	6.8	8.1	0.5	11.6	12.7	0.7	15.0	16.3	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	133	22.6	26.3	5.4	24.8	29.5	6.6	27.8	33.0	8.0
Congestive Heart Failure.....	134	10.4	14.1	4.7	18.7	21.8	4.1	29.1	28.4	4.0
Pneumonia/Influenza.....	123	11.4	13.2	4.2	17.1	18.3	3.8	21.1	22.3	4.0
Chronic Obstructive Pulmonary Disease.....	79	3.8	8.7	4.3	11.4	15.2	4.6	20.3	20.8	4.6
Transient Cerebral Ischemia.....	42	0.0	1.7	*	2.4	3.8	*	4.8	5.9	*
Stroke.....	119	19.3	20.0	3.7	26.1	26.8	4.5	30.3	31.6	5.3
Hip Fracture.....	102	3.9	4.8	2.8	5.9	9.0	4.6	8.8	12.0	5.6
Sepsis.....	40	25.0	21.5	*	30.0	29.4	*	35.0	35.3	*
PROCEDURES:										
Angioplasty.....	88	1.1	4.4	3.4	4.5	5.9	3.7	5.7	7.4	3.3
Coronary Artery Bypass Graft.....	150	5.3	6.0	2.0	8.0	8.8	2.7	9.3	10.5	3.2
Initial Pacemaker Insertion.....	34	2.9	4.0	*	8.8	7.3	*	8.8	10.4	*
Carotid Endarterectomy.....	11	0.0	2.3	*	0.0	4.8	*	0.0	7.2	*
Hip Replacement/Reconstruction.....	109	3.7	2.3	2.3	4.6	4.5	2.1	6.4	6.3	2.3
Open Reduction of Hip Fracture.....	51	3.9	4.6	3.0	5.9	9.0	4.8	9.8	12.0	5.4
Prostatectomy.....	154	1.9	1.3	1.1	4.5	2.9	2.0	5.8	4.5	2.8
Cholecystectomy.....	78	5.1	4.1	3.5	7.7	7.2	4.7	10.3	9.3	4.3
Hysterectomy.....	59	0.0	1.0	*	0.0	1.8	*	0.0	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,945	7.2	8.1	0.5	11.5	12.8	0.7	14.9	16.5	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	132	21.2	25.6	5.1	23.5	28.7	5.1	26.5	32.2	5.8
Congestive Heart Failure.....	144	13.2	16.4	5.3	20.8	25.0	7.6	26.4	32.0	8.3
Pneumonia/Influenza.....	125	12.8	14.4	3.7	17.6	20.1	4.1	24.8	24.8	3.9
Chronic Obstructive Pulmonary Disease.....	107	10.3	10.8	4.4	15.0	18.1	5.2	23.4	23.5	5.5
Transient Cerebral Ischemia.....	48	0.0	2.1	*	0.0	4.4	*	4.2	6.9	*
Stroke.....	105	20.0	18.5	4.8	24.8	24.6	4.2	26.7	29.1	4.7
Hip Fracture.....	85	3.5	5.4	5.1	8.2	10.3	6.1	11.8	13.8	4.2
Sepsis.....	30	16.7	19.3	*	20.0	26.6	*	20.0	32.3	*
PROCEDURES:										
Angioplasty.....	87	2.3	4.0	3.5	2.3	5.0	4.1	2.3	6.2	5.0
Coronary Artery Bypass Graft.....	146	5.5	6.9	3.5	6.2	9.5	4.9	7.5	11.0	5.8
Initial Pacemaker Insertion.....	44	2.3	3.5	*	2.3	6.7	*	6.8	9.6	*
Carotid Endarterectomy.....	18	0.0	1.7	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction.....	88	2.3	2.0	2.3	2.3	4.0	3.4	3.4	5.6	3.7
Open Reduction of Hip Fracture.....	48	2.1	5.1	*	8.3	10.0	*	10.4	13.6	*
Prostatectomy.....	174	0.0	1.2	1.4	2.3	3.0	1.4	4.6	4.9	1.8
Cholecystectomy.....	99	3.0	3.6	2.0	6.1	6.4	2.5	9.1	8.4	2.9
Hysterectomy.....	57	0.0	0.9	*	0.0	1.9	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HAVASU SAMARITAN REGIONAL HOSPITAL

101 Civic Center Lane
Lake Havasu City, AZ 86403

Medicare Provider Number: 030069

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,025	5.7	5.9	0.8	7.9	9.1	1.3	10.4	11.8	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	17	41.2	27.7	*	41.2	31.0	*	41.2	34.5	*
Congestive Heart Failure.....	19	5.3	13.5	*	15.8	21.4	*	21.1	28.1	*
Pneumonia/Influenza.....	26	11.5	14.3	*	15.4	19.7	*	19.2	23.9	*
Chronic Obstructive Pulmonary Disease.....	32	6.3	6.7	*	6.3	11.4	*	6.3	15.5	*
Transient Cerebral Ischemia.....	2	0.0	2.3	*	0.0	5.1	*	0.0	8.5	*
Stroke.....	30	20.0	16.0	*	23.3	21.4	*	30.0	25.5	*
Hip Fracture.....	44	0.0	4.2	*	0.0	8.0	*	2.3	10.9	*
Sepsis.....	2	0.0	19.5	*	0.0	32.5	*	0.0	41.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	32	0.0	2.7	*	0.0	5.3	*	3.1	7.3	*
Open Reduction of Hip Fracture.....	22	0.0	3.5	*	0.0	7.1	*	0.0	9.7	*
Prostatectomy.....	160	0.6	0.9	1.0	1.9	2.1	1.6	4.4	3.6	1.9
Cholecystectomy.....	28	0.0	2.1	*	0.0	3.7	*	0.0	4.7	*
Hysterectomy.....	10	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 72
Occupancy Rate..... 57
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

HAVASU SAMARITAN REGIONAL HOSPITAL

Medicare Provider Number: 030069

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	893	5.4	6.2	1.4	8.2	9.7	1.9	10.3	12.5	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	22	22.7	28.8	*	22.7	31.5	*	22.7	34.8	*
Congestive Heart Failure.....	30	16.7	13.6	*	30.0	20.8	*	36.7	27.1	*
Pneumonia/Influenza.....	23	8.7	12.4	*	8.7	17.1	*	13.0	21.1	*
Chronic Obstructive Pulmonary Disease.....	16	0.0	7.0	*	12.5	12.3	*	25.0	16.6	*
Transient Cerebral Ischemia.....	7	0.0	1.4	*	0.0	2.9	*	0.0	4.6	*
Stroke.....	33	9.1	15.3	*	9.1	21.0	*	18.2	25.2	*
Hip Fracture.....	34	0.0	5.5	*	5.9	10.1	*	5.9	13.1	*
Sepsis.....	2	50.0	19.9	*	50.0	26.6	*	50.0	30.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	22	0.0	4.5	*	9.1	8.6	*	9.1	11.2	*
Open Reduction of Hip Fracture.....	18	0.0	3.8	*	0.0	7.6	*	0.0	10.3	*
Prostatectomy.....	147	0.7	1.0	1.0	1.4	2.4	1.7	2.0	3.9	2.1
Cholecystectomy.....	14	0.0	1.6	*	0.0	3.0	*	0.0	4.1	*
Hysterectomy.....	19	5.3	3.9	*	5.3	5.1	*	5.3	5.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	773	7.2	6.5	1.1	10.1	10.2	1.6	12.9	13.2	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	21	47.6	25.1	*	52.4	27.8	*	52.4	30.9	*
Congestive Heart Failure.....	23	17.4	16.8	*	26.1	25.5	*	34.8	32.5	*
Pneumonia/Influenza.....	18	11.1	15.0	*	27.8	21.4	*	33.3	26.4	*
Chronic Obstructive Pulmonary Disease.....	16	0.0	5.8	*	6.3	10.4	*	12.5	14.0	*
Transient Cerebral Ischemia.....	5	0.0	2.4	*	0.0	6.2	*	0.0	10.5	*
Stroke.....	13	7.7	19.3	*	7.7	27.2	*	23.1	32.3	*
Hip Fracture.....	44	4.5	4.1	*	6.8	7.7	*	13.6	10.3	*
Sepsis.....	2	0.0	8.2	*	0.0	11.6	*	0.0	14.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	25	0.0	2.8	*	4.0	5.4	*	8.0	7.2	*
Open Reduction of Hip Fracture.....	23	4.3	3.4	*	4.3	6.8	*	13.0	9.2	*
Prostatectomy.....	128	1.6	1.1	1.0	3.1	2.5	1.5	4.7	4.2	1.9
Cholecystectomy.....	22	0.0	5.0	*	13.6	9.9	*	13.6	13.5	*
Hysterectomy.....	15	0.0	1.1	*	0.0	2.4	*	0.0	3.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOLY CROSS HOSPITAL INC.

1230 Target Range Rd
Nogales, AZ 85621

Medicare Provider Number: 030040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	258	11.6	10.7	2.7	16.7	15.6	2.5	18.6	19.6	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	6	33.3	32.7	*	33.3	35.6	*	33.3	39.1	*
Congestive Heart Failure.....	10	0.0	11.2	*	20.0	17.3	*	20.0	22.8	*
Pneumonia/Influenza.....	17	35.3	17.8	*	35.3	24.1	*	35.3	29.1	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	9.0	*	0.0	16.6	*	0.0	22.9	*
Transient Cerebral Ischemia.....	7	0.0	1.7	*	0.0	4.0	*	0.0	6.4	*
Stroke.....	5	60.0	23.0	*	60.0	29.4	*	60.0	34.4	*
Hip Fracture.....	5	0.0	5.9	*	20.0	10.7	*	40.0	14.1	*
Sepsis.....	4	50.0	46.3	*	50.0	57.1	*	50.0	64.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	100.0	19.5	*	100.0	31.2	*	100.0	36.6	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	3	0.0	5.5	*	33.3	10.7	*	66.7	14.2	*
Prostatectomy.....	12	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*
Cholecystectomy.....	5	0.0	4.4	*	0.0	8.0	*	0.0	11.0	*
Hysterectomy.....	1	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 73
Occupancy Rate..... 89
Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 20
Percent of Physicians Board Certified Specialists..... 65
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... Yes
Other Intensive Care..... Yes
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

HOLY CROSS HOSPITAL INC.

Medicare Provider Number: 030040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	268	10.8	11.1	2.1	14.6	16.0	2.6	17.2	20.0	2.8
CONDITIONS:										
Acute Myocardial Infarction.....	9	11.1	38.2	*	11.1	42.9	*	11.1	47.6	*
Congestive Heart Failure.....	7	57.1	17.4	*	57.1	25.8	*	57.1	32.8	*
Pneumonia/Influenza.....	12	8.3	18.8	*	8.3	25.9	*	16.7	31.2	*
Chronic Obstructive Pulmonary Disease.....	5	0.0	12.5	*	40.0	19.4	*	40.0	24.7	*
Transient Cerebral Ischemia.....	6	0.0	1.6	*	0.0	3.6	*	0.0	5.8	*
Stroke.....	9	33.3	23.6	*	33.3	29.7	*	44.4	34.5	*
Hip Fracture.....	5	0.0	5.7	*	0.0	10.2	*	0.0	12.9	*
Sepsis.....	6	16.7	18.5	*	16.7	23.1	*	16.7	27.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	9.1	*	0.0	16.7	*	0.0	20.2	*
Open Reduction of Hip Fracture.....	3	0.0	4.4	*	0.0	8.5	*	0.0	11.4	*
Prostatectomy.....	11	0.0	1.2	*	0.0	2.9	*	0.0	4.6	*
Cholecystectomy.....	6	0.0	3.7	*	0.0	5.8	*	0.0	7.3	*
Hysterectomy.....	2	0.0	0.7	*	0.0	1.1	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	252	7.9	9.6	2.5	11.1	15.1	3.3	15.5	19.2	3.5
CONDITIONS:										
Acute Myocardial Infarction.....	4	25.0	39.4	*	25.0	44.0	*	50.0	48.2	*
Congestive Heart Failure.....	7	0.0	17.0	*	14.3	24.7	*	14.3	31.2	*
Pneumonia/Influenza.....	12	0.0	16.3	*	0.0	23.0	*	0.0	27.8	*
Chronic Obstructive Pulmonary Disease.....	6	0.0	6.7	*	0.0	13.2	*	0.0	19.2	*
Transient Cerebral Ischemia.....	3	0.0	2.6	*	0.0	5.9	*	0.0	9.8	*
Stroke.....	6	16.7	21.4	*	16.7	28.8	*	16.7	34.1	*
Hip Fracture.....	9	11.1	6.4	*	11.1	10.8	*	22.2	13.5	*
Sepsis.....	5	20.0	19.5	*	20.0	28.4	*	20.0	34.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	9.2	*	0.0	14.5	*	0.0	17.5	*
Open Reduction of Hip Fracture.....	7	14.3	5.6	*	14.3	10.1	*	28.6	12.9	*
Prostatectomy.....	12	0.0	1.1	*	0.0	2.3	*	0.0	3.9	*
Cholecystectomy.....	2	0.0	1.0	*	0.0	1.6	*	0.0	2.2	*
Hysterectomy.....	4	0.0	0.7	*	0.0	1.6	*	0.0	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HUMANA HOSPITAL DESERT VALLEY

3929 East Bell Rd

Phoenix, AZ 85032

Medicare Provider Number: 030083

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,280	8.4	10.0	1.2	12.4	14.6	1.5	16.2	18.1	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	40	30.0	25.6	*	32.5	28.9	*	35.0	32.2	*
Congestive Heart Failure.....	67	14.9	14.4	4.6	23.9	22.6	5.4	28.4	29.4	5.8
Pneumonia/Influenza.....	53	9.4	15.5	8.3	18.9	21.4	9.4	22.6	25.9	7.0
Chronic Obstructive Pulmonary Disease.....	28	3.6	5.2	*	7.1	9.4	*	14.3	13.3	*
Transient Cerebral Ischemia.....	24	4.2	2.6	*	8.3	5.7	*	12.5	8.8	*
Stroke.....	34	26.5	21.7	*	26.5	28.9	*	35.3	33.6	*
Hip Fracture.....	31	9.7	8.9	*	9.7	15.2	*	12.9	18.8	*
Sepsis.....	31	32.3	31.7	*	41.9	39.5	*	45.2	45.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	3.4	*	0.0	6.5	*	0.0	9.6	*
Carotid Endarterectomy.....	3	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction.....	15	13.3	3.6	*	13.3	6.4	*	13.3	8.2	*
Open Reduction of Hip Fracture.....	22	4.5	8.7	*	4.5	15.6	*	9.1	19.6	*
Prostatectomy.....	60	1.7	1.3	1.7	1.7	2.6	2.3	1.7	4.2	3.3
Cholecystectomy.....	29	0.0	3.5	*	3.4	6.9	*	3.4	9.6	*
Hysterectomy.....	11	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 140
 Occupancy Rate..... 46
 Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
 Percent of Physicians Board Certified Specialists..... (Not Available)
 Medical Residents/Interns..... 0
 Registered Nurses..... 69
 Licensed Practical Nurses..... 3

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... Yes
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

HUMANA HOSPITAL DESERT VALLEY

Medicare Provider Number: 030083

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,217	9.1	8.5	1.1	13.4	12.6	1.6	17.1	15.9	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	36	36.1	28.2	*	47.2	31.3	*	47.2	34.8	*
Congestive Heart Failure.....	52	15.4	16.9	5.9	23.1	25.3	7.7	26.9	32.3	11.2
Pneumonia/Influenza.....	57	14.0	14.7	4.7	17.5	19.9	6.2	24.6	24.1	6.3
Chronic Obstructive Pulmonary Disease.....	38	2.6	8.5	*	5.3	14.2	*	5.3	19.2	*
Transient Cerebral Ischemia.....	24	0.0	1.9	*	0.0	3.9	*	0.0	6.0	*
Stroke.....	38	28.9	23.1	*	34.2	29.8	*	42.1	34.5	*
Hip Fracture.....	32	3.1	5.3	*	9.4	9.9	*	15.6	13.1	*
Sepsis.....	12	25.0	28.9	*	41.7	37.2	*	50.0	42.9	*
PROCEDURES:										
Angioplasty.....	1	0.0	14.8	*	0.0	25.2	*	0.0	32.0	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	2.1	*	0.0	4.6	*	0.0	7.5	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	26	3.8	2.7	*	11.5	5.5	*	15.4	7.8	*
Open Reduction of Hip Fracture.....	20	5.0	5.1	*	5.0	9.6	*	10.0	12.7	*
Prostatectomy.....	54	1.9	0.9	1.9	1.9	2.3	3.7	5.6	3.8	3.6
Cholecystectomy.....	25	0.0	2.0	*	4.0	3.8	*	8.0	5.2	*
Hysterectomy.....	9	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,167	8.0	9.6	1.2	11.6	14.1	1.5	14.8	17.6	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	34	20.6	30.9	*	20.6	35.3	*	26.5	39.2	*
Congestive Heart Failure.....	49	16.3	18.0	*	22.4	27.3	*	32.7	34.5	*
Pneumonia/Influenza.....	56	10.7	14.6	5.7	12.5	19.8	7.0	12.5	24.2	8.4
Chronic Obstructive Pulmonary Disease.....	37	2.7	12.5	*	8.1	20.0	*	18.9	25.7	*
Transient Cerebral Ischemia.....	21	0.0	2.5	*	0.0	5.5	*	4.8	8.7	*
Stroke.....	30	30.0	22.7	*	46.7	29.0	*	50.0	33.8	*
Hip Fracture.....	28	3.6	5.2	*	7.1	9.9	*	14.3	13.4	*
Sepsis.....	8	25.0	21.9	*	25.0	28.9	*	37.5	34.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	10	0.0	2.2	*	0.0	5.3	*	0.0	8.6	*
Carotid Endarterectomy.....	3	0.0	2.2	*	0.0	3.9	*	0.0	5.6	*
Hip Replacement/Reconstruction.....	14	14.3	3.6	*	14.3	8.3	*	14.3	12.2	*
Open Reduction of Hip Fracture.....	21	0.0	4.3	*	4.8	8.6	*	9.5	11.8	*
Prostatectomy.....	60	0.0	1.8	2.2	1.7	4.0	3.0	3.3	6.3	3.8
Cholecystectomy.....	28	0.0	2.9	*	0.0	5.1	*	0.0	6.7	*
Hysterectomy.....	12	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Humana Hospital Desert Valley

January 8, 1991

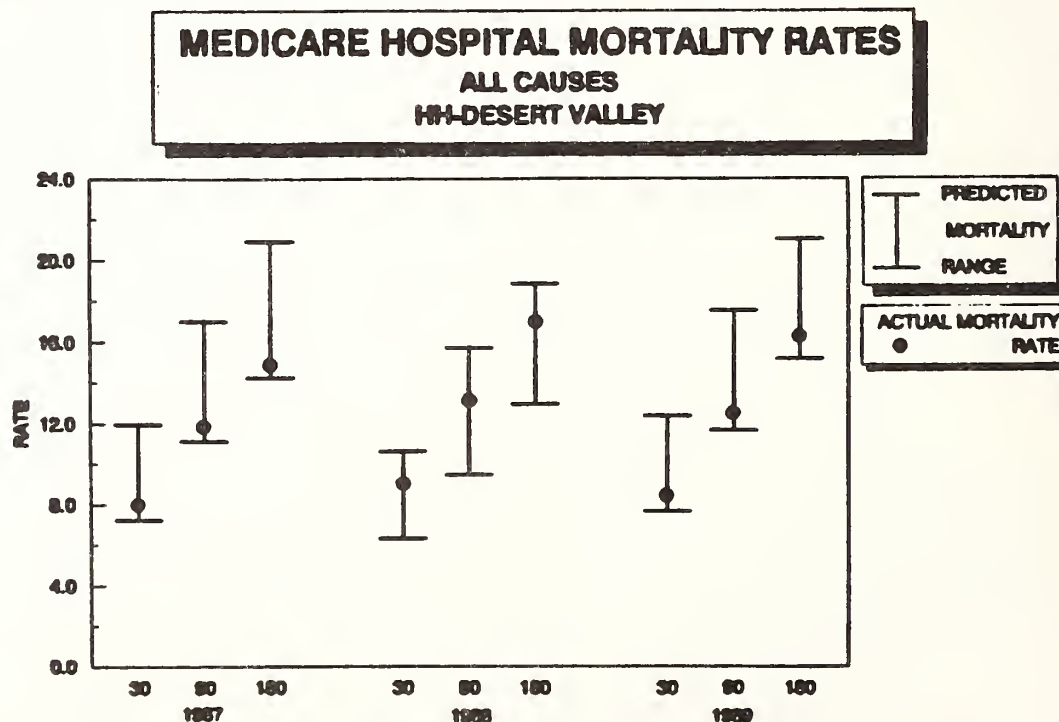
Medicare Provider # 030083

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital - Desert Valley. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital's observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. To aid readers, in understanding the data for Humana Hospital - Desert Valley, we have computed a range for the "All Causes" category for the 30, 90 and 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.




Page 2
Ms. Sandra Kappert

For some categories, observed and predicted mortality rates are published without an accompanying standard deviation. If "the number of cases or deaths in any category is too small to permit satisfactory estimation of the standard deviation," it is also inappropriate to publish predicted rates in that category, due to the potential for misinterpretation.

We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indicator; however, they are not the sole element in evaluating patient care given in a hospital. At Humana Hospital - Desert Valley, we have established, in conjunction with our medical staff, an on-going, comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,



Michael B. Morris
Executive Director
Humana Hospital - Desert Valley

MBM/am

HUMANA HOSPITAL PHOENIX

1947 East Thomas Rd

Phoenix, AZ 85016

Medicare Provider Number: 030008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,899	7.1	7.3	0.5	11.0	11.0	0.6	13.5	14.0	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	53	26.4	25.8	6.0	30.2	28.8	6.6	30.2	32.0	7.6
Congestive Heart Failure.....	98	17.3	15.2	5.2	26.5	23.4	7.7	32.7	30.2	7.9
Pneumonia/Influenza.....	87	20.7	17.0	5.8	25.3	23.0	6.0	28.7	27.8	5.1
Chronic Obstructive Pulmonary Disease.....	34	8.8	7.7	*	11.8	13.5	*	14.7	18.8	*
Transient Cerebral Ischemia.....	29	0.0	1.6	*	3.4	3.4	*	3.4	5.3	*
Stroke.....	90	18.9	19.7	4.3	31.1	25.8	6.0	32.2	30.1	5.9
Hip Fracture.....	76	5.3	6.8	3.6	18.4	11.9	5.3	21.1	15.2	5.9
Sepsis.....	24	20.8	30.8	*	33.3	38.5	*	37.5	44.2	*
PROCEDURES:										
Angioplasty.....	89	4.5	1.9	2.5	4.5	2.7	2.6	4.5	3.6	3.0
Coronary Artery Bypass Graft.....	100	11.0	4.3	3.2	13.0	6.1	3.5	13.0	7.4	3.7
Initial Pacemaker Insertion.....	25	4.0	4.2	*	8.0	7.1	*	8.0	9.5	*
Carotid Endarterectomy.....	29	3.4	1.6	*	3.4	3.0	*	3.4	4.4	*
Hip Replacement/Reconstruction.....	118	2.5	2.2	1.6	5.1	3.9	3.0	5.1	5.2	3.4
Open Reduction of Hip Fracture.....	39	2.6	6.1	*	12.8	11.1	*	17.9	14.4	*
Prostatectomy.....	86	4.7	1.2	3.0	4.7	2.8	3.1	5.8	4.8	4.0
Cholecystectomy.....	59	5.1	3.7	3.5	8.5	6.3	4.8	10.2	8.2	5.2
Hysterectomy.....	21	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 314
 Occupancy Rate..... 40
 Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 853
 Percent of Physicians Board Certified Specialists..... 86
 Medical Residents/Interns..... 0
 Registered Nurses..... 160
 Licensed Practical Nurses..... 21

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... Yes
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

HUMANA HOSPITAL PHOENIX

Medicare Provider Number: 030008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,626	8.4	7.9	0.9	12.6	11.8	1.1	15.1	14.9	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	56	28.6	30.8	7.1	32.1	34.3	8.8	32.1	38.1	9.7
Congestive Heart Failure.....	87	19.5	16.6	4.9	29.9	25.1	8.3	34.5	31.9	6.5
Pneumonia/Influenza.....	94	16.0	16.6	3.9	21.3	22.3	5.1	24.5	26.8	7.0
Chronic Obstructive Pulmonary Disease.....	32	15.6	8.5	*	18.8	14.3	*	21.9	19.3	*
Transient Cerebral Ischemia.....	25	0.0	2.1	*	8.0	4.5	*	8.0	7.0	*
Stroke.....	70	28.6	21.5	9.7	35.7	27.5	11.3	40.0	32.0	10.9
Hip Fracture.....	69	7.2	7.2	3.4	15.9	13.0	5.1	18.8	16.6	6.0
Sepsis.....	13	23.1	30.5	*	23.1	37.7	*	30.8	43.6	*
PROCEDURES:										
Angioplasty.....	43	2.3	2.6	*	2.3	3.3	*	4.7	4.2	*
Coronary Artery Bypass Graft.....	82	8.5	4.9	3.4	8.5	6.8	4.1	13.4	7.9	5.1
Initial Pacemaker Insertion.....	26	3.8	3.5	*	3.8	5.8	*	3.8	8.0	*
Carotid Endarterectomy.....	39	2.6	1.4	*	7.7	2.6	*	7.7	3.8	*
Hip Replacement/Reconstruction.....	114	5.3	2.7	2.7	6.1	5.0	2.4	7.0	6.6	2.5
Open Reduction of Hip Fracture.....	29	3.4	6.3	*	20.7	11.7	*	24.1	15.3	*
Prostatectomy.....	43	2.3	1.2	*	14.0	2.9	*	16.3	4.9	*
Cholecystectomy.....	40	7.5	3.4	*	10.0	5.9	*	10.0	7.5	*
Hysterectomy.....	20	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,613	7.3	9.5	1.1	12.3	14.4	1.2	15.9	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	48	25.0	28.8	*	25.0	32.0	*	31.3	35.5	*
Congestive Heart Failure.....	76	13.2	15.2	4.9	22.4	23.1	5.0	27.6	29.9	6.3
Pneumonia/Influenza.....	53	9.4	16.1	6.7	22.6	22.7	5.8	24.5	28.0	7.4
Chronic Obstructive Pulmonary Disease.....	31	0.0	7.6	*	9.7	13.5	*	16.1	18.5	*
Transient Cerebral Ischemia.....	23	0.0	1.6	*	0.0	3.4	*	4.3	5.3	*
Stroke.....	63	19.0	19.7	5.3	25.4	26.0	5.8	27.0	30.8	6.8
Hip Fracture.....	70	5.7	5.6	2.8	7.1	10.5	4.4	7.1	13.9	5.5
Sepsis.....	9	22.2	23.9	*	22.2	31.1	*	22.2	37.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	14	14.3	4.2	*	21.4	7.3	*	21.4	10.0	*
Carotid Endarterectomy.....	14	0.0	1.7	*	0.0	3.3	*	7.1	4.8	*
Hip Replacement/Reconstruction.....	56	3.6	3.1	2.4	3.6	6.0	3.6	3.6	8.2	4.9
Open Reduction of Hip Fracture.....	32	6.3	5.2	*	9.4	10.2	*	9.4	13.7	*
Prostatectomy.....	43	2.3	1.3	*	2.3	2.9	*	4.7	4.6	*
Cholecystectomy.....	38	0.0	3.9	*	0.0	6.5	*	5.3	8.2	*
Hysterectomy.....	19	0.0	1.8	*	0.0	3.5	*	0.0	4.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Humana Hospital Phoenix

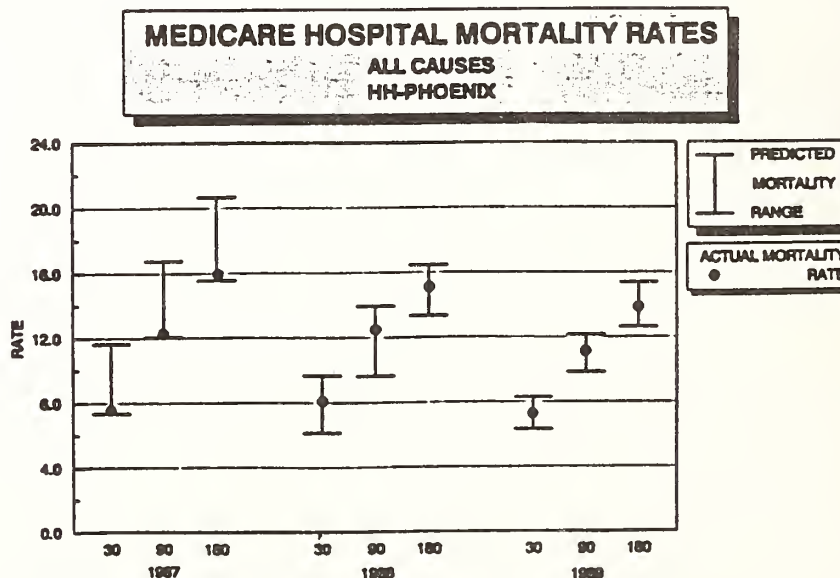
January 2, 1991

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital-Phoenix. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital's observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. [To aid readers, in understanding the data for Humana Hospital-Phoenix, we have computed a range for the "All Causes" category for the 30, 90, 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.



SOURCE: HCFA - MEDICARE HOSPITAL MORTALITY INFORMATION 1987, 1988, 1989

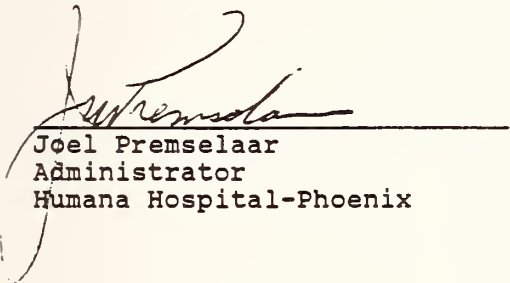
Page 2
Ms. Sandra Kappert

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We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indicator; however, they are not the sole element in evaluating patient care given in a hospital. At Humana Hospital-Phoenix, we have established, in conjunction with our medical staff, an on-going, comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,



Joel Premseelaar
Administrator
Humana Hospital-Phoenix

JOHN C. LINCOLN HOSPITAL & HEALTH CENTER

9211 North 2nd Street

Phoenix, AZ 85020

Medicare Provider Number: 030014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,935	10.4	8.7	1.1	14.4	13.5	0.8	18.0	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	108	16.7	22.3	8.6	23.1	25.6	8.5	25.0	29.0	6.8
Congestive Heart Failure.....	113	15.0	13.0	3.6	19.5	20.3	4.1	23.9	26.6	6.0
Pneumonia/Influenza.....	128	18.0	14.3	4.1	23.4	19.9	4.7	25.0	24.5	3.8
Chronic Obstructive Pulmonary Disease.....	83	8.4	5.7	3.3	13.3	10.6	3.9	18.1	15.0	5.2
Transient Cerebral Ischemia.....	27	0.0	1.4	*	3.7	3.1	*	3.7	5.0	*
Stroke.....	119	22.7	19.1	4.6	26.1	25.6	5.0	32.8	30.2	4.8
Hip Fracture.....	90	8.9	4.8	4.4	10.0	9.0	4.4	12.2	12.1	3.8
Sepsis.....	34	29.4	22.2	*	38.2	30.3	*	50.0	36.5	*
PROCEDURES:										
Angioplasty.....	17	0.0	1.8	*	0.0	2.6	*	0.0	3.5	*
Coronary Artery Bypass Graft.....	36	13.9	5.3	*	19.4	7.2	*	19.4	8.4	*
Initial Pacemaker Insertion.....	24	4.2	2.2	*	4.2	4.5	*	4.2	6.7	*
Carotid Endarterectomy.....	11	0.0	1.4	*	9.1	2.5	*	18.2	3.8	*
Hip Replacement/Reconstruction.....	59	5.1	2.5	2.7	5.1	5.0	3.0	5.1	7.0	4.1
Open Reduction of Hip Fracture.....	47	10.6	4.6	*	10.6	8.7	*	14.9	11.6	*
Prostatectomy.....	97	0.0	0.9	*	0.0	2.0	*	1.0	3.2	*
Cholecystectomy.....	90	3.3	2.4	1.8	6.7	4.3	3.0	7.8	5.7	3.9
Hysterectomy.....	24	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 233
 Occupancy Rate..... 51
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 191
 Percent of Physicians Board Certified Specialists..... 75
 Medical Residents/Interns..... 0
 Registered Nurses..... 251
 Licensed Practical Nurses..... 23

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... Yes
 Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

JOHN C. LINCOLN HOSPITAL & HEALTH CENTER

Medicare Provider Number: 030014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,677	8.6	9.3	1.0	13.3	13.9	1.2	17.0	17.6	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	99	27.3	25.4	5.3	33.3	28.3	7.1	37.4	31.5	9.2
Congestive Heart Failure.....	124	15.3	15.4	3.5	25.8	23.6	4.3	32.3	30.3	5.5
Pneumonia/Influenza.....	116	14.7	14.8	3.4	19.8	20.3	3.8	23.3	24.6	4.2
Chronic Obstructive Pulmonary Disease.....	89	5.6	8.0	3.0	12.4	13.8	3.9	23.6	18.8	4.6
Transient Cerebral Ischemia.....	39	2.6	1.9	*	2.6	4.1	*	2.6	6.5	*
Stroke.....	94	17.0	19.6	4.6	23.4	25.8	4.9	30.9	30.3	6.6
Hip Fracture.....	63	11.1	5.1	5.2	12.7	9.6	5.2	15.9	12.7	5.1
Sepsis.....	28	10.7	21.7	*	14.3	28.2	*	14.3	34.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	26	3.8	3.3	*	11.5	6.1	*	11.5	8.6	*
Carotid Endarterectomy.....	6	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction.....	55	1.8	2.3	3.0	1.8	4.7	4.3	3.6	6.5	4.7
Open Reduction of Hip Fracture.....	34	11.8	4.5	*	14.7	9.0	*	17.6	12.2	*
Prostatectomy.....	99	1.0	1.5	1.3	2.0	3.3	2.2	6.1	5.1	2.8
Cholecystectomy.....	69	4.3	3.1	2.5	8.7	5.3	3.9	8.7	6.9	3.9
Hysterectomy.....	22	0.0	0.6	*	0.0	1.2	*	4.5	1.7	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,281	9.0	9.3	0.7	14.1	14.1	0.9	17.7	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	83	33.7	26.2	5.6	37.3	29.9	5.7	39.8	33.5	5.8
Congestive Heart Failure.....	99	21.2	16.8	4.4	31.3	25.9	5.1	41.4	33.2	6.1
Pneumonia/Influenza.....	105	11.4	15.7	5.3	14.3	21.9	7.2	20.0	26.9	7.7
Chronic Obstructive Pulmonary Disease.....	56	3.6	10.1	5.2	14.3	17.4	5.6	23.2	23.0	5.6
Transient Cerebral Ischemia.....	37	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke.....	108	19.4	16.9	3.9	22.2	23.2	4.1	25.9	27.8	4.4
Hip Fracture.....	105	5.7	5.0	2.5	10.5	9.5	4.0	12.4	12.7	4.9
Sepsis.....	17	17.6	21.6	*	17.6	28.2	*	29.4	33.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	18	0.0	1.9	*	5.6	4.0	*	5.6	6.2	*
Carotid Endarterectomy.....	9	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction.....	45	2.2	3.8	*	6.7	7.3	*	6.7	9.9	*
Open Reduction of Hip Fracture.....	63	6.3	4.2	4.6	9.5	8.3	4.2	12.7	11.4	4.2
Prostatectomy.....	71	2.8	1.2	2.2	5.6	2.7	2.7	7.0	4.4	3.3
Cholecystectomy.....	62	8.1	4.4	4.2	11.3	7.9	5.5	14.5	9.9	6.9
Hysterectomy.....	19	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

**John C. Lincoln Hospital & Health Center**

250 East Dunlap Avenue
Phoenix, Arizona 85020-2446
(602) 943-2381

January 14, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
HEALTH CARE FINANCING ADMINISTRATION (HCFA)
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We certainly appreciate the opportunity to evaluate and comment on the Medicare patient mortality data and hospital profile characteristics prior to its release by HCFA this Spring.

While there remain some limitations to the data, its compilation does provide an addition to our ongoing, comprehensive quality assurance process at John C. Lincoln Hospital & Health Center.

And it is this quality assurance assessment, not HCFA's data, that guides our hospital and physicians in identifying ways to enhance patient care. However, we do believe that HCFA should be commended for its continuing effort to provide the healthcare industry with such information.

John C. Lincoln Hospital & Health Center is a full-service community hospital with 236 acute-care beds and a Level I Trauma Center. Our Trauma Center has served the community well by saving lives that might have been lost in a traditional emergency room setting. Because of the Trauma Center, Lincoln's Emergency Department tends to attract and treat sicker patients.

The administration of Lincoln Hospital feels compelled to comment on the validity of the HCFA data as a measurement of the quality of care given by a hospital.

Quality of care given by a particular hospital should not be measured solely on the basis that a patient died by a variety of circumstances within 180 days of being discharged. The care delivered by a hospital is but a part of a patient's total healthcare experience.

-continued-

John C. Lincoln Hospital & Health Center - page 2

Other critical factors which affect the clinical outcome are: the patients' personal healthcare regimen; social factors; preventative healthcare measures; patient compliance with treatments; and timeliness of diagnosis, outpatient treatment, and hospital admission.

Our only specific comment on the mortality data is relative to the Coronary Artery Bypass Graft procedure.

It should be noted that the time period from which the data in the report was collected coincides with the start-up of our Cardiovascular Services program.

Mortality rates from the initial 36 cases do not appropriately reflect the overall mortality rate for this procedure to date.

From November 1988 through December 1990, we have performed a total of 285 coronary artery bypass grafts with a mortality rate of 5.3 percent, which does fall within predicted rates.

Certainly, the data contained herein have only limited value for consumers. The data merely indicate whether a hospital deviates from average--and should not be interpreted as a statement on quality of care. Patients should actively involve their physicians when choosing a hospital.

Again, thank you for the opportunity to respond to the data prior to its release to the public.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tim Tracy', with a stylized, cursive script.

Tim Tracy
Senior Vice President

KENNECOTT SAMARITAN HOSPITAL

100 Tilbury Road
Kearny, AZ 85237

Medicare Provider Number: 030081

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22	4.5	9.4	*	13.6	13.4	*	18.2	16.9	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	16.4	*	100.0	18.6	*	100.0	21.6	*
Congestive Heart Failure.....	3	0.0	9.8	*	0.0	14.5	*	0.0	19.2	*
Pneumonia/Influenza.....	6	0.0	15.1	*	16.7	22.4	*	16.7	28.4	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	1	100.0	39.7	*	100.0	44.4	*	100.0	48.9	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	12.8	*	0.0	19.4	*	0.0	24.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989	SPECIALTY SERVICES:
Total Beds..... 20	Burn Unit..... No
Ownership/Control..... Private, Non-Profit	Coronary Care Unit..... No
STAFFING:	Hospice..... No
Medical Residents/Interns..... 0	Intensive Care Unit..... No
Registered Nurses..... 16	Organ Transplant..... Yes
Licensed Practical Nurses..... 1	Rehabilitation..... Yes
	Shock Trauma..... No

** Not used in calculating hospital mortality rates.

KENNECOTT SAMARITAN HOSPITAL

Medicare Provider Number: 030081

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	45	11.1	9.2	*	11.1	12.8	*	13.3	15.7	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	50.0	20.6	*	50.0	25.2	*	50.0	29.3	*
Congestive Heart Failure.....	1	100.0	22.3	*	100.0	40.9	*	100.0	54.6	*
Pneumonia/Influenza.....	8	12.5	12.4	*	12.5	17.3	*	12.5	21.3	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	69	5.8	8.0	3.8	8.7	12.1	5.1	11.6	15.4	6.3
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	32.4	*	33.3	35.4	*	33.3	38.9	*
Congestive Heart Failure.....	8	0.0	12.5	*	12.5	19.5	*	12.5	25.7	*
Pneumonia/Influenza.....	6	0.0	10.0	*	0.0	13.3	*	0.0	16.5	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	5.9	*	0.0	10.9	*	0.0	15.7	*
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	11.6	*	0.0	17.4	*	0.0	21.2	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	31.0	*	100.0	48.9	*	100.0	56.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	1.1	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KINGMAN REGIONAL MEDICAL CENTER

3269 Stockton Hill Rd
Kingman, AZ 86401

Medicare Provider Number: 030055

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,061	8.2	8.1	0.9	12.5	12.3	1.0	15.4	15.7	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	30	46.7	24.8	*	46.7	27.5	*	50.0	30.8	*
Congestive Heart Failure.....	56	14.3	13.9	5.3	21.4	21.9	5.6	30.4	28.7	6.4
Pneumonia/Influenza.....	54	7.4	12.6	7.9	11.1	17.2	9.5	14.8	21.3	11.4
Chronic Obstructive Pulmonary Disease.....	31	3.2	8.7	*	6.5	15.5	*	16.1	21.0	*
Transient Cerebral Ischemia.....	21	4.8	1.9	*	14.3	4.3	*	14.3	6.9	*
Stroke.....	34	5.9	16.2	*	5.9	22.0	*	14.7	26.4	*
Hip Fracture.....	31	9.7	5.1	*	16.1	9.2	*	16.1	12.1	*
Sepsis.....	3	0.0	20.4	*	0.0	26.9	*	0.0	32.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	12	0.0	1.8	*	0.0	3.8	*	8.3	5.9	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	20	0.0	3.6	*	5.0	7.0	*	5.0	9.6	*
Open Reduction of Hip Fracture.....	11	18.2	4.8	*	18.2	8.8	*	18.2	11.5	*
Prostatectomy.....	35	0.0	2.0	*	5.7	5.0	*	11.4	8.4	*
Cholecystectomy.....	29	3.4	2.4	*	3.4	4.0	*	6.9	5.3	*
Hysterectomy.....	7	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 83
Occupancy Rate..... 71
Ownership/Control..... District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 17
Percent of Physicians Board Certified Specialists..... 59
Medical Residents/Interns..... 0
Registered Nurses..... 66
Licensed Practical Nurses..... 22

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... Yes
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

KINGMAN REGIONAL MEDICAL CENTER

Medicare Provider Number: 030055

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,053	9.2	8.6	1.2	14.3	13.0	1.6	16.7	16.5	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	36	52.8	28.4	*	55.6	31.5	*	58.3	34.6	*
Congestive Heart Failure.....	72	15.3	16.6	4.5	25.0	25.1	5.1	29.2	32.1	6.0
Pneumonia/Influenza.....	40	15.0	16.0	*	17.5	21.2	*	17.5	25.5	*
Chronic Obstructive Pulmonary Disease.....	20	5.0	7.0	*	10.0	11.8	*	20.0	15.9	*
Transient Cerebral Ischemia.....	21	0.0	2.1	*	4.8	4.7	*	4.8	7.3	*
Stroke.....	39	15.4	16.9	*	28.2	23.0	*	28.2	27.5	*
Hip Fracture.....	33	0.0	5.2	*	6.1	9.9	*	12.1	13.2	*
Sepsis.....	2	0.0	17.6	*	50.0	25.4	*	50.0	30.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	12	0.0	4.2	*	16.7	7.7	*	16.7	10.7	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	24	0.0	4.3	*	4.2	8.4	*	8.3	11.2	*
Open Reduction of Hip Fracture.....	5	0.0	6.1	*	0.0	13.0	*	0.0	18.4	*
Prostatectomy.....	34	0.0	1.8	*	2.9	4.1	*	5.9	6.4	*
Cholecystectomy.....	26	3.8	3.3	*	3.8	5.7	*	7.7	7.3	*
Hysterectomy.....	7	0.0	2.2	*	0.0	4.3	*	0.0	6.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,070	9.7	8.3	1.3	14.2	12.5	1.5	16.6	16.0	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	36	41.7	27.9	*	50.0	30.8	*	50.0	34.2	*
Congestive Heart Failure.....	69	8.7	14.8	7.3	11.6	22.3	9.0	20.3	28.8	9.0
Pneumonia/Influenza.....	42	14.3	13.9	*	21.4	18.8	*	23.8	23.1	*
Chronic Obstructive Pulmonary Disease.....	32	15.6	11.3	*	18.8	18.5	*	21.9	24.1	*
Transient Cerebral Ischemia.....	27	3.7	1.9	*	3.7	4.2	*	3.7	6.8	*
Stroke.....	49	32.7	19.6	*	36.7	25.8	*	40.8	30.5	*
Hip Fracture.....	21	4.8	3.8	*	4.8	7.3	*	4.8	9.8	*
Sepsis.....	1	0.0	27.7	*	0.0	33.8	*	0.0	40.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	19	0.0	2.3	*	0.0	4.6	*	0.0	7.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	11	0.0	2.8	*	0.0	5.4	*	0.0	7.3	*
Open Reduction of Hip Fracture.....	10	0.0	3.4	*	0.0	6.9	*	0.0	9.5	*
Prostatectomy.....	32	0.0	1.7	*	6.3	4.0	*	6.3	6.4	*
Cholecystectomy.....	19	0.0	2.7	*	5.3	4.6	*	5.3	5.9	*
Hysterectomy.....	3	0.0	0.7	*	0.0	1.2	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KINO COMMUNITY HOSPITAL

2800 East Ajo Way
Tucson, AZ 85713

Medicare Provider Number: 030009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	771	14.5	8.8	1.4	20.4	13.5	1.9	25.3	17.2	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	32	37.5	25.8	*	46.9	29.6	*	46.9	33.3	*
Congestive Heart Failure.....	41	9.8	13.4	*	22.0	21.2	*	34.1	27.7	*
Pneumonia/Influenza.....	65	38.5	14.6	6.7	44.6	20.3	7.2	47.7	24.8	7.2
Chronic Obstructive Pulmonary Disease.....	11	27.3	10.1	*	36.4	19.5	*	63.6	27.3	*
Transient Cerebral Ischemia.....	7	0.0	1.9	*	0.0	4.3	*	0.0	7.0	*
Stroke.....	21	28.6	18.7	*	42.9	25.9	*	42.9	30.7	*
Hip Fracture.....	26	30.8	7.0	*	38.5	12.7	*	38.5	16.3	*
Sepsis.....	16	18.8	19.1	*	31.3	25.5	*	37.5	31.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	2.0	*	0.0	3.9	*	12.5	6.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	11.1	5.1	*	11.1	9.6	*	11.1	12.6	*
Open Reduction of Hip Fracture.....	11	36.4	7.0	*	36.4	13.5	*	36.4	17.7	*
Prostatectomy.....	6	0.0	1.3	*	0.0	3.2	*	0.0	5.3	*
Cholecystectomy.....	4	0.0	2.0	*	0.0	3.3	*	0.0	4.1	*
Hysterectomy.....	3	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 115
Occupancy Rate..... 69
Ownership/Control..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

KINO COMMUNITY HOSPITAL

Medicare Provider Number: 030009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	733	14.6	10.0	1.5	22.1	15.2	2.6	26.1	19.2	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	30	33.3	22.1	*	43.3	26.3	*	50.0	29.8	*
Congestive Heart Failure.....	42	26.2	16.3	*	38.1	25.8	*	42.9	33.4	*
Pneumonia/Influenza.....	47	38.3	17.3	*	42.6	23.4	*	46.8	28.0	*
Chronic Obstructive Pulmonary Disease.....	8	12.5	6.6	*	12.5	11.3	*	12.5	15.6	*
Transient Cerebral Ischemia.....	7	14.3	2.6	*	14.3	5.7	*	14.3	8.7	*
Stroke.....	13	15.4	21.8	*	30.8	27.2	*	38.5	31.3	*
Hip Fracture.....	41	9.8	6.3	*	12.2	11.6	*	17.1	15.1	*
Sepsis.....	22	13.6	24.0	*	22.7	30.9	*	31.8	36.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	0.0	4.7	*	0.0	8.7	*	0.0	11.3	*
Open Reduction of Hip Fracture.....	24	8.3	5.8	*	12.5	11.2	*	16.7	14.8	*
Prostatectomy.....	4	0.0	6.9	*	25.0	9.0	*	25.0	10.4	*
Cholecystectomy.....	6	0.0	2.6	*	0.0	4.3	*	0.0	5.3	*
Hysterectomy.....	10	0.0	0.7	*	0.0	1.5	*	0.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	689	13.6	9.7	1.2	20.3	15.1	1.4	26.9	19.3	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	26	34.6	16.9	*	42.3	21.9	*	42.3	26.0	*
Congestive Heart Failure.....	36	11.1	16.4	*	22.2	25.4	*	27.8	32.9	*
Pneumonia/Influenza.....	51	19.6	15.4	6.5	25.5	21.3	8.3	35.3	26.2	11.3
Chronic Obstructive Pulmonary Disease.....	13	0.0	9.0	*	7.7	15.4	*	15.4	20.8	*
Transient Cerebral Ischemia.....	3	0.0	1.1	*	0.0	2.2	*	0.0	3.4	*
Stroke.....	19	31.6	20.1	*	31.6	26.5	*	42.1	31.0	*
Hip Fracture.....	56	3.6	6.3	5.1	8.9	11.6	9.2	16.1	15.3	10.4
Sepsis.....	19	36.8	20.7	*	47.4	29.4	*	52.6	35.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	10.1	*	0.0	21.8	*	0.0	31.4	*
Carotid Endarterectomy.....	1	0.0	1.3	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction.....	21	4.8	4.9	*	4.8	9.5	*	4.8	12.6	*
Open Reduction of Hip Fracture.....	34	2.9	5.3	*	8.8	10.3	*	17.6	14.0	*
Prostatectomy.....	2	0.0	1.5	*	0.0	3.8	*	0.0	6.9	*
Cholecystectomy.....	6	0.0	7.3	*	0.0	12.7	*	0.0	16.7	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

LEWIS R. PYLE MEMORIAL HOSPITAL

807 South Ponderosa
Payson, AZ 85541

Medicare Provider Number: 030033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	412	8.3	10.5	2.4	12.4	15.2	2.9	15.3	18.8	3.5
CONDITIONS:										
Acute Myocardial Infarction.....	18	22.2	24.9	*	22.2	28.4	*	22.2	32.0	*
Congestive Heart Failure.....	14	14.3	13.2	*	21.4	20.2	*	28.6	26.3	*
Pneumonia/Influenza.....	45	13.3	15.4	*	15.6	20.9	*	20.0	25.3	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	10	0.0	2.5	*	0.0	5.5	*	0.0	8.8	*
Stroke.....	10	20.0	20.1	*	40.0	26.8	*	40.0	31.6	*
Hip Fracture.....	3	0.0	6.9	*	0.0	11.4	*	0.0	14.2	*
Sepsis.....	11	18.2	22.1	*	18.2	29.6	*	18.2	35.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	2.9	*	0.0	5.2	*	0.0	7.4	*
Carotid Endarterectomy.....	2	0.0	1.6	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	2	0.0	6.4	*	0.0	11.3	*	0.0	14.3	*
Prostatectomy.....	1	0.0	22.4	*	0.0	27.0	*	0.0	32.9	*
Cholecystectomy.....	17	0.0	2.6	*	0.0	4.4	*	0.0	5.5	*
Hysterectomy.....	7	0.0	0.9	*	0.0	1.9	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 44
Occupancy Rate..... 30
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 18
Percent of Physicians Board Certified Specialists..... 56
Medical Residents/Interns..... 0
Registered Nurses..... 18
Licensed Practical Nurses..... 3

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

LEWIS R. PYLE MEMORIAL HOSPITAL

Medicare Provider Number: 030033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	437	9.6	11.3	1.9	12.4	16.0	2.5	15.8	19.8	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	14	28.6	30.4	*	42.9	33.3	*	42.9	36.3	*
Congestive Heart Failure.....	29	6.9	15.8	*	6.9	23.1	*	13.8	29.5	*
Pneumonia/Influenza.....	19	15.8	15.0	*	21.1	19.7	*	21.1	23.4	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	3.5	*	0.0	6.4	*	0.0	9.0	*
Transient Cerebral Ischemia.....	14	0.0	2.0	*	0.0	4.4	*	7.1	6.8	*
Stroke.....	15	20.0	20.6	*	20.0	26.8	*	26.7	31.7	*
Hip Fracture.....	2	0.0	8.4	*	50.0	15.4	*	50.0	19.6	*
Sepsis.....	12	33.3	27.3	*	33.3	34.2	*	50.0	39.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	7.6	*	0.0	10.0	*	0.0	12.6	*
Carotid Endarterectomy.....	4	0.0	2.3	*	0.0	4.2	*	0.0	6.2	*
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	1	0.0	9.4	*	0.0	17.3	*	0.0	21.7	*
Prostatectomy.....	1	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*
Cholecystectomy.....	15	0.0	4.7	*	0.0	7.4	*	0.0	9.3	*
Hysterectomy.....	3	0.0	0.8	*	0.0	1.4	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	512	6.4	9.7	1.6	10.2	14.2	2.0	12.1	17.6	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	12	16.7	30.1	*	16.7	32.8	*	16.7	35.9	*
Congestive Heart Failure.....	16	6.3	17.3	*	12.5	25.8	*	12.5	32.7	*
Pneumonia/Influenza.....	25	4.0	13.8	*	12.0	18.8	*	12.0	22.9	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	12.6	*	0.0	19.3	*	0.0	24.3	*
Transient Cerebral Ischemia.....	19	5.3	2.1	*	5.3	4.6	*	10.5	7.2	*
Stroke.....	16	18.8	26.3	*	31.3	32.8	*	31.3	37.7	*
Hip Fracture.....	4	0.0	5.4	*	0.0	10.1	*	0.0	13.6	*
Sepsis.....	5	0.0	31.6	*	0.0	38.4	*	0.0	43.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.5	*	0.0	3.4	*	0.0	5.9	*
Carotid Endarterectomy.....	4	0.0	2.0	*	0.0	3.7	*	0.0	5.2	*
Hip Replacement/Reconstruction.....	2	0.0	5.6	*	0.0	12.0	*	0.0	17.0	*
Open Reduction of Hip Fracture.....	1	0.0	3.1	*	0.0	5.9	*	0.0	7.9	*
Prostatectomy.....	6	0.0	1.3	*	0.0	3.3	*	0.0	5.7	*
Cholecystectomy.....	22	4.5	5.5	*	9.1	9.0	*	9.1	10.8	*
Hysterectomy.....	4	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MARCUS J. LAWRENCE MEMORIAL HOSPITAL

202 South Willard St
Cottonwood, AZ 86326

Medicare Provider Number: 030007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,188	9.2	8.8	1.1	13.9	13.4	1.1	16.7	17.1	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	47	46.8	24.0	*	46.8	27.2	*	48.9	30.6	*
Congestive Heart Failure.....	66	13.6	14.6	4.4	27.3	21.8	6.3	37.9	28.1	8.4
Pneumonia/Influenza.....	85	9.4	14.5	7.0	14.1	19.8	8.6	20.0	23.9	7.6
Chronic Obstructive Pulmonary Disease.....	29	10.3	7.1	*	10.3	12.8	*	10.3	17.9	*
Transient Cerebral Ischemia.....	14	0.0	2.2	*	14.3	5.0	*	14.3	8.0	*
Stroke.....	41	26.8	18.8	*	29.3	25.1	*	31.7	29.3	*
Hip Fracture.....	36	2.8	6.3	*	5.6	11.3	*	5.6	14.7	*
Sepsis.....	11	9.1	21.3	*	27.3	28.3	*	27.3	34.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	31	3.2	3.5	*	6.5	6.7	*	6.5	9.1	*
Open Reduction of Hip Fracture.....	13	0.0	5.0	*	0.0	9.9	*	0.0	13.3	*
Prostatectomy.....	58	0.0	0.9	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy.....	34	8.8	3.3	*	11.8	6.2	*	11.8	8.6	*
Hysterectomy.....	18	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 75
Occupancy Rate..... 49
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 38
Percent of Physicians Board Certified Specialists..... 79
Medical Residents/Interns..... 0
Registered Nurses..... 76
Licensed Practical Nurses..... 12

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... Yes
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

MARCUS J. LAWRENCE MEMORIAL HOSPITAL

Medicare Provider Number: 030007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,224	8.3	8.8	0.9	12.4	13.2	1.5	15.4	16.8	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	43	18.6	23.0	*	18.6	25.4	*	20.9	28.2	*
Congestive Heart Failure.....	66	12.1	17.3	5.7	15.2	25.9	7.4	22.7	33.0	7.9
Pneumonia/Influenza.....	79	12.7	15.1	4.2	15.2	20.5	5.7	25.3	24.8	4.9
Chronic Obstructive Pulmonary Disease.....	31	9.7	7.4	*	19.4	13.2	*	25.8	18.1	*
Transient Cerebral Ischemia.....	11	0.0	2.5	*	0.0	5.4	*	0.0	8.4	*
Stroke.....	49	20.4	17.5	*	34.7	24.3	*	34.7	23.9	*
Hip Fracture.....	34	8.8	6.8	*	11.8	11.9	*	14.7	15.0	*
Sepsis.....	8	37.5	35.8	*	37.5	44.0	*	37.5	50.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	39	2.6	2.9	*	5.1	5.2	*	7.7	6.8	*
Open Reduction of Hip Fracture.....	19	15.8	6.9	*	21.1	12.7	*	21.1	16.3	*
Prostatectomy.....	63	0.0	1.1	1.6	0.0	2.6	3.0	1.6	4.3	3.4
Cholecystectomy.....	36	0.0	2.2	*	2.8	3.6	*	5.6	4.5	*
Hysterectomy.....	13	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,229	7.8	8.0	0.8	12.4	12.4	1.1	16.2	15.8	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	48	35.4	23.5	*	35.4	26.7	*	37.5	30.0	*
Congestive Heart Failure.....	56	16.1	16.2	6.7	35.7	23.4	8.6	41.1	29.9	8.8
Pneumonia/Influenza.....	64	9.4	13.2	5.2	17.2	18.0	5.8	21.9	22.1	5.2
Chronic Obstructive Pulmonary Disease.....	19	15.8	9.8	*	26.3	15.6	*	36.8	20.3	*
Transient Cerebral Ischemia.....	19	0.0	2.1	*	5.3	4.8	*	5.3	7.7	*
Stroke.....	41	24.4	18.3	*	36.6	25.3	*	41.5	29.8	*
Hip Fracture.....	46	6.5	6.9	*	17.4	12.3	*	21.7	15.9	*
Sepsis.....	8	25.0	32.2	*	50.0	44.5	*	50.0	52.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	33	6.1	3.0	*	6.1	5.7	*	9.1	7.7	*
Open Reduction of Hip Fracture.....	28	3.6	6.6	*	21.4	12.4	*	25.0	16.1	*
Prostatectomy.....	58	0.0	1.1	*	0.0	2.6	*	0.0	4.1	*
Cholecystectomy.....	37	0.0	2.1	*	0.0	3.7	*	2.7	4.8	*
Hysterectomy.....	8	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MARICOPA MEDICAL CENTER

2601 East Roosevelt Street

Phoenix, AZ 85008

Medicare Provider Number: 030022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,692	18.3	10.4	1.0	27.4	16.1	2.0	31.7	20.4	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	40	37.5	23.6	*	42.5	27.6	*	42.5	31.6	*
Congestive Heart Failure.....	58	24.1	13.3	7.9	39.7	21.3	9.4	41.4	28.2	8.4
Pneumonia/Influenza.....	107	35.5	13.1	4.4	43.0	18.4	4.3	46.7	22.6	4.9
Chronic Obstructive Pulmonary Disease.....	28	17.9	8.0	*	32.1	14.0	*	35.7	19.3	*
Transient Cerebral Ischemia.....	15	0.0	1.1	*	6.7	2.4	*	6.7	3.9	*
Stroke.....	40	20.0	17.4	*	30.0	24.0	*	35.0	28.4	*
Hip Fracture.....	100	12.0	6.0	3.1	23.0	11.0	4.8	26.0	14.4	5.4
Sepsis.....	47	51.1	26.5	*	55.3	34.1	*	55.3	40.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	3.0	*	0.0	6.1	*	0.0	8.8	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	34	14.7	5.3	*	29.4	9.8	*	29.4	12.8	*
Open Reduction of Hip Fracture.....	53	5.7	5.0	3.7	17.0	9.7	6.1	20.8	13.0	7.8
Prostatectomy.....	10	0.0	0.6	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy.....	22	9.1	4.7	*	22.7	8.6	*	22.7	11.5	*
Hysterectomy.....	9	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 465
 Occupancy Rate..... 78
 Ownership/Control..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
 Percent of Physicians Board Certified Specialists..... (Not Available)
 Medical Residents/Interns..... 189
 Registered Nurses..... 334
 Licensed Practical Nurses..... 51

SPECIALTY SERVICES:

Burn Unit..... Yes
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... Yes
 Rehabilitation Unit..... No
 Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

MARICOPA MEDICAL CENTER

Medicare Provider Number: 030022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

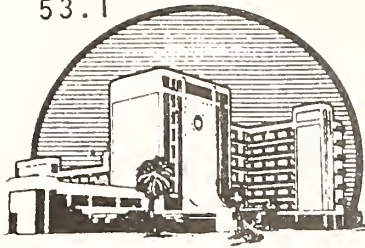
CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,773	20.0	10.6	1.7	27.0	16.4	1.7	32.3	20.7	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	44	38.6	29.1	*	45.5	32.9	*	52.3	36.9	*
Congestive Heart Failure.....	73	26.0	15.2	6.7	39.7	23.5	8.5	43.8	30.2	8.4
Pneumonia/Influenza.....	121	29.8	12.5	3.3	36.4	17.9	4.2	39.7	22.0	4.1
Chronic Obstructive Pulmonary Disease.....	48	18.8	5.9	*	29.2	11.3	*	35.4	16.5	*
Transient Cerebral Ischemia.....	10	0.0	2.1	*	0.0	4.4	*	0.0	6.7	*
Stroke.....	56	17.9	22.7	7.5	33.9	29.2	7.2	33.9	33.9	8.8
Hip Fracture.....	117	16.2	6.2	3.6	24.8	11.5	4.5	30.8	15.1	5.2
Sepsis.....	37	64.9	26.0	*	64.9	33.5	*	64.9	39.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	49	18.4	4.8	*	30.6	9.4	*	32.7	12.8	*
Open Reduction of Hip Fracture.....	64	14.1	5.9	5.5	17.2	11.4	5.8	28.1	15.2	7.0
Prostatectomy.....	14	0.0	1.0	*	7.1	2.6	*	21.4	4.5	*
Cholecystectomy.....	14	28.6	4.4	*	35.7	8.2	*	35.7	10.7	*
Hysterectomy.....	5	0.0	0.8	*	20.0	1.3	*	20.0	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,572	18.8	10.5	1.1	25.8	16.2	1.3	31.4	20.6	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	47	42.6	28.0	*	42.6	31.5	*	51.1	35.4	*
Congestive Heart Failure.....	84	15.5	14.1	5.2	25.0	22.1	6.8	38.1	28.9	8.8
Pneumonia/Influenza.....	109	22.9	12.7	4.2	31.2	18.2	4.9	37.6	22.7	5.7
Chronic Obstructive Pulmonary Disease.....	44	11.4	7.2	*	27.3	12.8	*	34.1	17.3	*
Transient Cerebral Ischemia.....	12	0.0	2.3	*	0.0	5.1	*	0.0	8.3	*
Stroke.....	55	25.5	20.6	6.7	34.5	26.9	7.3	38.2	31.7	8.7
Hip Fracture.....	84	13.1	5.9	3.3	21.4	10.9	5.9	31.0	14.5	6.4
Sepsis.....	41	36.6	19.4	*	41.5	26.6	*	48.8	32.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	14.3	3.8	*	14.3	7.1	*	14.3	9.9	*
Carotid Endarterectomy.....	1	0.0	2.2	*	0.0	4.0	*	0.0	5.6	*
Hip Replacement/Reconstruction.....	33	6.1	4.7	*	9.1	8.8	*	15.2	11.7	*
Open Reduction of Hip Fracture.....	48	12.5	5.1	*	20.8	10.1	*	33.3	13.8	*
Prostatectomy.....	14	0.0	0.7	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy.....	17	5.9	5.1	*	11.8	8.0	*	11.8	9.4	*
Hysterectomy.....	2	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



MARICOPA MEDICAL CENTER

2601 EAST ROOSEVELT P.O. BOX 5099 PHOENIX, ARIZONA 85010 (602) 267-5011
FAX (602) 267-5450

December 31, 1990

Gail R. Wilensky, PhD, Administrator
Department of Health & Human Services
Health Care Financing Administrator
6325 Security Boulevard
Baltimore MD 21207

Dear Ms. Wilensky:

Our response is contained in the letter received from Henry Krakauer, MD, PhD, Director, Office of Program Assessment and Information.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Health Care Financing Administration

6325 Security Boulevard
Baltimore, MD 21207

November 6, 1990

HOSPITAL ADMINISTRATION

NOV 19 1990

RECEIVED

Barbara A. Sapp
Acting Hospital Director
Maricopa Medical Center
2601 East Roosevelt
P. O. Box 5099
Phoenix, AZ 85010

Dear Ms. Sapp:

I am writing in reply to your letter of October 23 to Mr. John Spiegel concerning the Medicare Hospital Mortality Information.

We understand your distress about the analyses for your hospital. The observed mortality rate of its patients has lain persistently above the predicted range, creating the impression that the care it provides is unsatisfactory. As we have repeatedly cautioned the readers of the publication, a difference between the observed and the predicted mortality rate may result from any one of three factors: (1) an inadequate characterization of the severity of the illness of the hospital's patients by means of the data in the bills the hospital submits to the Health Care Financing Administration (HCFA); (2) incorrect data submitted by the hospital; (3) deficiencies in the quality of care.

As a result of an exploration of the influence of detailed clinical data on our assessment of hospital performance as measured by the mortality rate, we have been aware since the end of 1989 that the data on your hospital published in the Medicare Hospital Mortality Information are not indicative of deficiencies in the quality of care. That is because when we adjust more exhaustively for the severity of illness by means of clinical data, the predicted mortality for your hospital's patients is very close to the observed. We provided this information to you late last year in a Technical Report of the study described above in which you participated. Your letter clarifies the reason for the difference in the results obtained with the clinical and the claims data: the data that you have been submitting on the bills are in error. This further reassures us that the problem identified in the Medicare Hospital Mortality information is not bad medical care but just bad data, a much more easily remedied fault. It is, however, not a trivial matter because the data submitted on claims are used

HCFA
12/31/90
-2-

Page 2 - Barbara A. Sapp

extensively by HCFA in determining policy and must, therefore, be as correct as possible.

We have discussed the options of dealing with the problem and have determined that we cannot withhold the listing of the results for Maricopa Medical Center from the upcoming publication. You do, however, have a ready recourse: we have always followed the data with the comments of the hospital, giving the hospital the opportunity to clarify the data. Please feel free to excerpt from this letter in proper context for that purpose.

As you know, every year we provide data on mortality rates for the year immediately past and two preceding years. Next year, when the claims from your hospital have been corrected, the proper characterization of your experience will be provided.

It may be scant comfort, but this problem was encountered by at least one other hospital. It discovered last year that it had consistently failed to report the comorbidities of its patients. It has also labored hard to correct the error.

We trust that as, the importance of correct data submitted on the claims becomes increasingly clear, problems such as have occurred at your hospital will dwindle and we will be able to more accurately characterize the experience of hospitalized Medicare patients.

Very truly yours,



Henry Krakauer, MD, PhD
Captain, USPHS
Director, Office of Program Assessment
and Information
Health Standards and Quality Bureau
Telephone 301-966-6855

Sincerely,



Barbara A. Sapp
Associate Hospital Director

BAS/40

MARYVALE SAMARITAN MEDICAL CENTER

5102 West Campbell Avenue
Phoenix, AZ 85031

Medicare Provider Number: 030001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,568	10.3	10.1	0.8	14.6	15.1	1.0	18.9	19.0	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	83	31.3	24.6	6.5	32.5	27.7	5.9	33.7	31.1	5.3
Congestive Heart Failure.....	95	7.4	12.4	6.8	12.6	19.6	7.7	22.1	26.0	7.4
Pneumonia/Influenza.....	79	11.4	12.7	5.0	19.0	17.8	5.6	24.1	22.0	7.2
Chronic Obstructive Pulmonary Disease.....	27	3.7	6.2	*	14.8	10.9	*	18.5	14.9	*
Transient Cerebral Ischemia.....	14	0.0	1.6	*	0.0	3.5	*	7.1	5.7	*
Stroke.....	61	11.5	15.7	5.2	18.0	21.2	5.8	24.6	25.3	5.6
Hip Fracture.....	41	7.3	4.8	*	9.8	8.9	*	9.8	11.9	*
Sepsis.....	14	35.7	25.5	*	42.9	32.5	*	50.0	38.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	9.1	*	0.0	14.5	*	33.3	19.0	*
Carotid Endarterectomy.....	2	0.0	3.6	*	0.0	7.8	*	0.0	11.4	*
Hip Replacement/Reconstruction.....	25	0.0	2.6	*	0.0	4.9	*	0.0	6.6	*
Open Reduction of Hip Fracture.....	23	4.3	4.2	*	8.7	8.2	*	8.7	11.2	*
Prostatectomy.....	45	4.4	2.0	*	4.4	4.4	*	6.7	7.1	*
Cholecystectomy.....	31	9.7	4.3	*	12.9	8.2	*	12.9	11.0	*
Hysterectomy.....	16	0.0	1.6	*	0.0	3.2	*	0.0	4.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 246
Occupancy Rate..... 50
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 153
Percent of Physicians Board Certified Specialists..... 76
Medical Residents/Interns..... 0
Registered Nurses..... 212
Licensed Practical Nurses..... 10

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

MARYVALE SAMARITAN MEDICAL CENTER

Medicare Provider Number: 030001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,613	9.6	9.4	1.2	14.5	14.2	1.1	18.6	17.9	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	77	26.0	25.5	5.0	28.6	28.2	5.6	29.9	31.3	6.0
Congestive Heart Failure.....	68	16.2	13.3	5.5	19.1	20.2	5.2	26.5	26.3	5.3
Pneumonia/Influenza.....	88	8.0	12.6	4.2	17.0	17.7	4.2	20.5	21.8	4.6
Chronic Obstructive Pulmonary Disease.....	29	10.3	8.8	*	10.3	14.8	*	17.2	19.8	*
Transient Cerebral Ischemia.....	19	0.0	1.8	*	0.0	3.9	*	0.0	5.9	*
Stroke.....	55	16.4	18.7	6.6	20.0	24.7	8.6	25.5	29.2	8.3
Hip Fracture.....	31	6.5	4.3	*	12.9	8.2	*	16.1	11.1	*
Sepsis.....	10	50.0	27.5	*	60.0	37.3	*	60.0	44.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	3.1	*	0.0	5.7	*	0.0	8.5	*
Carotid Endarterectomy.....	8	0.0	2.4	*	0.0	4.7	*	0.0	7.0	*
Hip Replacement/Reconstruction.....	24	4.2	2.3	*	8.3	4.4	*	8.3	6.0	*
Open Reduction of Hip Fracture.....	15	6.7	4.0	*	6.7	8.1	*	13.3	11.1	*
Prostatectomy.....	49	2.0	1.2	*	4.1	2.9	*	8.2	4.6	*
Cholecystectomy.....	41	9.8	4.3	*	9.8	7.5	*	12.2	9.3	*
Hysterectomy.....	13	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,611	8.6	9.1	0.8	13.8	13.9	1.2	16.5	17.6	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	66	27.3	24.9	8.3	34.8	28.2	9.8	37.9	31.5	12.6
Congestive Heart Failure.....	72	13.9	13.5	4.1	22.2	21.2	4.9	25.0	28.0	5.9
Pneumonia/Influenza.....	66	12.1	13.6	4.4	18.2	19.2	5.2	19.7	23.6	7.3
Chronic Obstructive Pulmonary Disease.....	35	8.6	6.1	*	8.6	10.6	*	8.6	14.5	*
Transient Cerebral Ischemia.....	22	0.0	1.7	*	0.0	3.5	*	0.0	5.5	*
Stroke.....	51	21.6	17.8	7.9	31.4	23.9	10.0	33.3	28.3	9.9
Hip Fracture.....	37	5.4	4.9	*	10.8	9.1	*	13.5	12.2	*
Sepsis.....	13	0.0	24.1	*	23.1	34.3	*	23.1	41.0	*
PROCEDURES:										
Angioplasty.....	1	100.0	15.9	*	100.0	17.8	*	100.0	20.4	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	6.2	*	0.0	9.2	*	0.0	11.3	*
Carotid Endarterectomy.....	1	0.0	1.5	*	100.0	3.3	*	100.0	5.3	*
Hip Replacement/Reconstruction.....	18	0.0	2.7	*	11.1	5.3	*	11.1	7.2	*
Open Reduction of Hip Fracture.....	19	5.3	4.1	*	5.3	8.1	*	10.5	11.1	*
Prostatectomy.....	42	2.4	1.2	*	4.8	3.0	*	4.8	4.9	*
Cholecystectomy.....	38	2.6	4.2	*	10.5	7.4	*	10.5	9.4	*
Hysterectomy.....	9	0.0	1.2	*	0.0	2.5	*	0.0	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MESA GENERAL HOSPITAL MEDICAL CENTER

515 North Mesa Drive
Mesa, AZ 85201

Medicare Provider Number: 030017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,545	8.3	7.7	0.9	11.7	11.8	1.0	14.4	15.2	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	50	36.0	24.6	*	36.0	27.6	*	38.0	31.0	*
Congestive Heart Failure.....	61	13.1	12.3	4.3	24.6	19.7	6.6	34.4	25.8	8.7
Pneumonia/Influenza.....	78	7.7	11.9	7.3	11.5	16.7	7.7	14.1	20.7	7.8
Chronic Obstructive Pulmonary Disease.....	16	0.0	8.0	*	12.5	15.7	*	18.8	22.7	*
Transient Cerebral Ischemia.....	13	0.0	1.3	*	0.0	2.9	*	0.0	4.6	*
Stroke.....	30	23.3	17.4	*	23.3	23.3	*	23.3	27.5	*
Hip Fracture.....	22	9.1	4.8	*	9.1	9.1	*	9.1	12.3	*
Sepsis.....	19	15.8	26.3	*	15.8	32.4	*	15.8	38.6	*
PROCEDURES:										
Angioplasty.....	43	11.6	5.3	*	14.0	6.2	*	16.3	7.3	*
Coronary Artery Bypass Graft.....	32	15.6	5.4	*	15.6	7.5	*	15.6	8.8	*
Initial Pacemaker Insertion.....	8	0.0	7.8	*	12.5	11.2	*	12.5	13.7	*
Carotid Endarterectomy.....	13	7.7	1.4	*	7.7	2.5	*	15.4	3.8	*
Hip Replacement/Reconstruction.....	20	5.0	4.1	*	5.0	8.2	*	5.0	11.2	*
Open Reduction of Hip Fracture.....	6	16.7	3.5	*	16.7	7.0	*	16.7	9.8	*
Prostatectomy.....	72	1.4	0.8	1.7	1.4	1.8	2.9	2.8	3.0	3.1
Cholecystectomy.....	28	7.1	3.6	*	10.7	5.9	*	10.7	7.4	*
Hysterectomy.....	22	0.0	1.3	*	0.0	2.5	*	4.5	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds..... 145
Ownership/Control..... Federal Government

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 118
Licensed Practical Nurses..... 9

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

MESA GENERAL HOSPITAL MEDICAL CENTER

Medicare Provider Number: 030017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,188	9.0	7.9	0.9	11.8	12.0	1.0	14.5	15.2	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	42	45.2	24.3	*	45.2	27.0	*	45.2	30.1	*
Congestive Heart Failure.....	60	15.0	14.3	4.8	21.7	22.1	6.5	25.0	28.7	8.7
Pneumonia/Influenza.....	48	6.3	14.0	*	12.5	19.3	*	12.5	23.4	*
Chronic Obstructive Pulmonary Disease.....	18	16.7	10.0	*	22.2	15.3	*	22.2	19.6	*
Transient Cerebral Ischemia.....	28	0.0	1.8	*	3.6	3.9	*	10.7	6.1	*
Stroke.....	32	18.8	18.5	*	25.0	25.0	*	25.0	29.7	*
Hip Fracture.....	24	16.7	5.6	*	20.8	10.4	*	20.8	13.6	*
Sepsis.....	12	66.7	32.8	*	66.7	39.7	*	66.7	45.8	*
PROCEDURE:										
Angioplasty.....	33	21.2	4.8	*	21.2	5.7	*	24.2	6.8	*
Coronary Artery Bypass Graft.....	12	0.0	5.2	*	0.0	7.0	*	0.0	8.1	*
Initial Pacemaker Insertion.....	9	0.0	2.0	*	0.0	4.1	*	0.0	6.0	*
Carotid Endarterectomy.....	6	0.0	2.1	*	0.0	4.1	*	0.0	6.0	*
Hip Replacement/Reconstruction.....	12	8.3	3.4	*	8.3	5.8	*	8.3	7.6	*
Open Reduction of Hip Fracture.....	17	17.6	5.5	*	23.5	10.7	*	23.5	14.3	*
Prostatectomy.....	51	3.9	1.0	2.6	5.9	2.5	3.6	7.8	4.2	4.6
Cholecystectomy.....	17	0.0	3.9	*	0.0	5.8	*	0.0	6.8	*
Hysterectomy.....	5	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,086	6.7	8.4	1.2	10.2	12.6	1.4	13.3	16.1	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	23	34.8	30.4	*	39.1	33.6	*	43.5	37.3	*
Congestive Heart Failure.....	60	10.0	14.5	8.2	18.3	21.8	9.6	26.7	28.1	7.4
Pneumonia/Influenza.....	49	12.2	12.8	*	20.4	17.9	*	22.4	22.2	*
Chronic Obstructive Pulmonary Disease.....	16	0.0	7.4	*	0.0	12.2	*	0.0	16.1	*
Transient Cerebral Ischemia.....	19	0.0	1.9	*	0.0	3.9	*	0.0	5.8	*
Stroke.....	25	12.0	17.5	*	24.0	24.1	*	28.0	28.7	*
Hip Fracture.....	22	18.2	6.5	*	18.2	12.1	*	22.7	15.8	*
Sepsis.....	16	37.5	38.7	*	50.0	47.7	*	50.0	54.6	*
PROCEDURES:										
Angioplasty.....	4	50.0	10.2	*	50.0	11.3	*	50.0	12.8	*
Coronary Artery Bypass Graft.....	6	16.7	5.2	*	16.7	6.7	*	16.7	7.7	*
Initial Pacemaker Insertion.....	11	0.0	4.3	*	9.1	8.6	*	9.1	12.4	*
Carotid Endarterectomy.....	2	0.0	1.2	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction.....	21	9.5	4.2	*	9.5	8.2	*	9.5	11.0	*
Open Reduction of Hip Fracture.....	9	22.2	4.9	*	22.2	9.2	*	33.3	12.1	*
Prostatectomy.....	40	0.0	1.5	*	0.0	3.5	*	2.5	5.8	*
Cholecystectomy.....	20	5.0	3.8	*	5.0	7.2	*	10.0	9.8	*
Hysterectomy.....	14	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MESA LUTHERAN HOSPITAL

525 West Brown Road
Mesa, AZ 85201

Medicare Provider Number: 030018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,962	8.2	8.3	0.5	13.0	13.1	0.8	15.9	17.0	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	73	17.8	22.0	6.0	24.7	25.6	5.3	28.8	29.1	5.3
Congestive Heart Failure.....	123	21.1	13.4	5.8	28.5	21.2	6.6	35.0	28.0	6.5
Pneumonia/Influenza.....	147	8.8	14.4	3.5	13.6	20.0	4.1	15.0	24.7	5.3
Chronic Obstructive Pulmonary Disease.....	35	20.0	4.1	*	22.9	8.6	*	25.7	12.8	*
Transient Cerebral Ischemia.....	65	1.5	1.6	1.7	1.5	3.5	2.7	1.5	5.7	4.3
Stroke.....	122	18.0	15.4	4.1	22.1	21.7	3.8	24.6	25.9	4.5
Hip Fracture.....	59	6.8	4.9	3.2	6.8	9.6	4.5	11.9	13.1	4.8
Sepsis.....	14	0.0	21.5	*	28.6	30.7	*	28.6	37.4	*
PROCEDURES:										
Angioplasty.....	20	0.0	1.9	*	5.0	2.6	*	5.0	3.8	*
Coronary Artery Bypass Graft.....	69	5.8	4.9	2.7	5.8	6.9	3.2	5.8	8.4	4.0
Initial Pacemaker Insertion.....	23	0.0	3.0	*	0.0	5.6	*	0.0	8.1	*
Carotid Endarterectomy.....	18	0.0	1.8	*	0.0	3.6	*	0.0	5.5	*
Hip Replacement/Reconstruction.....	64	0.0	2.1	3.9	3.1	4.3	3.5	7.8	6.4	3.4
Open Reduction of Hip Fracture.....	31	12.9	5.2	*	12.9	10.5	*	16.1	14.4	*
Prostatectomy.....	105	1.9	1.1	1.3	2.9	2.6	1.6	3.8	4.4	2.2
Cholecystectomy.....	58	5.2	2.7	3.8	10.3	5.1	5.6	10.3	6.8	6.5
Hysterectomy.....	21	0.0	1.3	*	4.8	3.0	*	4.8	4.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 266
Occupancy Rate..... 66
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 239
Percent of Physicians Board Certified Specialists..... 76
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... Yes
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... No

** Not used in calculating hospital mortality rates.

MESA LUTHERAN HOSPITAL

Medicare Provider Number: 030018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,023	9.1	8.4	0.9	14.5	13.2	1.1	17.4	16.9	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	94	26.6	23.1	5.6	29.8	26.6	6.2	31.9	30.0	5.4
Congestive Heart Failure.....	129	22.5	14.4	5.5	29.5	22.3	6.1	35.7	29.0	5.5
Pneumonia/Influenza.....	144	15.3	14.3	3.3	19.4	19.8	3.3	23.6	24.3	3.6
Chronic Obstructive Pulmonary Disease.....	37	5.4	4.2	*	8.1	7.9	*	16.2	11.4	*
Transient Cerebral Ischemia.....	64	1.6	1.6	*	4.7	3.4	*	6.3	5.3	*
Stroke.....	108	16.7	17.6	3.7	20.4	24.0	4.9	22.2	28.3	5.6
Hip Fracture.....	69	7.2	6.2	3.2	13.0	11.0	4.5	15.9	14.1	4.5
Sepsis.....	17	23.5	25.8	*	52.9	34.2	*	52.9	40.1	*
PROCEDURES:										
Angioplasty.....	33	0.0	2.0	*	0.0	2.9	*	0.0	3.9	*
Coronary Artery Bypass Graft.....	87	5.7	6.7	2.8	9.2	9.5	3.3	10.3	11.3	3.6
Initial Pacemaker Insertion.....	26	3.8	3.1	*	7.7	5.5	*	11.5	7.9	*
Carotid Endarterectomy.....	25	0.0	1.8	*	4.0	3.5	*	4.0	5.1	*
Hip Replacement/Reconstruction.....	76	3.9	2.3	2.4	3.9	4.6	2.6	3.9	6.5	3.4
Open Reduction of Hip Fracture.....	34	8.8	6.8	*	17.6	12.0	*	23.5	15.3	*
Prostatectomy.....	89	0.0	1.3	1.6	2.2	3.3	2.1	4.5	5.4	2.5
Cholecystectomy.....	72	5.6	2.6	3.2	6.9	4.7	3.4	6.9	6.1	3.6
Hysterectomy.....	21	0.0	1.1	*	0.0	2.2	*	4.8	3.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,427	8.8	8.6	0.5	13.3	13.4	0.8	16.9	17.1	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	105	27.6	22.5	6.7	36.2	25.7	8.1	37.1	28.9	8.5
Congestive Heart Failure.....	146	19.9	15.0	4.9	26.0	23.0	4.8	35.6	29.8	6.0
Pneumonia/Influenza.....	124	16.1	15.6	3.3	20.2	21.6	4.3	23.4	26.5	6.3
Chronic Obstructive Pulmonary Disease.....	52	3.8	5.3	3.7	9.6	9.7	6.4	11.5	13.8	6.4
Transient Cerebral Ischemia.....	68	0.0	1.7	2.3	2.9	3.5	2.7	7.4	5.5	3.7
Stroke.....	128	14.8	16.7	6.0	18.8	23.5	7.1	23.4	27.9	7.1
Hip Fracture.....	87	9.2	5.5	4.2	14.9	10.4	6.8	19.5	13.8	9.0
Sepsis.....	24	20.8	22.0	*	25.0	29.7	*	33.3	35.4	*
PROCEDURES:										
Angioplasty.....	13	7.7	4.1	*	7.7	5.1	*	7.7	6.3	*
Coronary Artery Bypass Graft.....	43	9.3	5.8	*	9.3	8.5	*	9.3	10.4	*
Initial Pacemaker Insertion.....	35	0.0	2.6	*	2.9	5.1	*	2.9	7.5	*
Carotid Endarterectomy.....	24	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction.....	71	2.8	3.0	2.1	7.0	5.8	4.0	7.0	7.8	4.3
Open Reduction of Hip Fracture.....	41	9.8	4.9	*	14.6	9.7	*	19.5	13.1	*
Prostatectomy.....	119	0.0	1.3	1.3	0.8	3.1	2.1	1.7	5.1	3.0
Cholecystectomy.....	87	5.7	2.8	2.8	8.0	5.1	3.0	8.0	6.5	3.2
Hysterectomy.....	26	0.0	1.3	*	0.0	2.8	*	3.8	4.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



Lutheran Healthcare Network

Mesa Lutheran Hospital
525 West Brown Road
Mesa, AZ 85201
(602) 834-1211
TDD #602-461-2701

Don A. Evans, FACHE
Chief Executive Officer

January 10, 1991

Medicare Provider
#030018

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Mesa Lutheran Hospital
HCFA Mortality Data

This letter was prepared to accompany the release of the Health Care Financing Administration (HCFA) mortality data relevant to Mesa Lutheran Hospital.

We realize that mortality data findings are efforts by HCFA to improve quality care and effectiveness of medical practice. The mortality information may be used as a screen for an area that potentially needs closer evaluation depending on the validity of the findings. We feel that it is very important to point out that the mortality findings do not explain why a hospital is outside the standard deviation of a predicted range. It is also important to point out that the mortality findings over time (30, 60 and 180 days) do not explain a disease and the different treatment modalities used to effect the final outcome. It is our position that only after complete review of a patient's chart can the effectiveness of medical practice and quality of care be evaluated.

Our facility performed data verification of the HCFA mortality findings. We found 21 patients who expired while in our facility but were not on HCFA's list. We also found one incorrect expiration date. See attached.

We reviewed all Medicare patients (253) who expired while in our facility in 1989. Time did not permit further investigation of the patients who expired after discharge while in the 30, 90 or 180 days post admission from our facility. We also did not analyze the patients who expired in 1988 since we had already analyzed them for the 1989 HCFA mortality report. Our findings revealed that 85% of the 253 patients had a "No Code" status prior to death. Thus, one can infer that these patients were expected deaths and the patient or family requested no life saving measures.

Health Care Financing Administration
January 10, 1991
Page 2

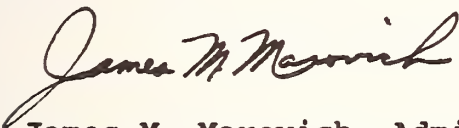
CONCLUSION

We feel that HCFA's mortality findings may have a limited use as a screening tool for potential areas that may need further analysis. Effectiveness and quality of care can only be determined after thorough chart review. We feel that HCFA mortality findings should not be used as the sole judgement for quality of care given by a facility. Quality involves many factors not just mortality rate.

In closing, please note that Mesa Lutheran Hospital has a Quality Management program that is systematic, planned and ongoing which reviews each patient's hospitalization. The program reviews numerous key factors to protect our patients from a negative outcome. This program also provides a mechanism to improve the quality of care rendered.

Thank you for the opportunity to address this issue.

Sincerely,

A handwritten signature in cursive script, reading "James M. Marovich".

James M. Marovich, Administrator
Mesa Lutheran Hospital

MIAMI-INSPIRATION HOSPITAL

P O Drawer M

Miami, AZ 85539

Medicare Provider Number: 030060

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	293	7.5	6.9	2.5	11.9	10.3	2.7	14.0	13.2	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	13	30.8	22.6	*	30.8	25.1	*	30.8	28.4	*
Congestive Heart Failure.....	18	11.1	14.8	*	27.8	22.6	*	33.3	29.2	*
Pneumonia/Influenza.....	13	15.4	14.2	*	15.4	20.5	*	23.1	25.2	*
Chronic Obstructive Pulmonary Disease.....	10	20.0	6.1	*	30.0	11.2	*	30.0	15.5	*
Transient Cerebral Ischemia.....	6	0.0	2.4	*	0.0	5.4	*	0.0	8.8	*
Stroke.....	6	16.7	19.1	*	50.0	23.9	*	50.0	27.9	*
Hip Fracture.....	5	0.0	6.8	*	20.0	13.2	*	20.0	17.9	*
Sepsis.....	1	0.0	15.3	*	0.0	20.2	*	0.0	24.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	3.5	*	0.0	7.2	*	0.0	10.1	*
Open Reduction of Hip Fracture.....	2	0.0	7.5	*	50.0	14.9	*	50.0	20.4	*
Prostatectomy.....	8	0.0	1.0	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy.....	12	8.3	2.9	*	8.3	4.9	*	8.3	6.2	*
Hysterectomy.....	9	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 49
 Occupancy Rate..... 27
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 23
 Percent of Physicians Board Certified Specialists..... 48
 Medical Residents/Interns..... 0
 Registered Nurses..... 19
 Licensed Practical Nurses..... 9

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... Yes
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

MIAMI-INSPIRATION HOSPITAL

Medicare Provider Number: 030060

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	274	10.6	9.7	2.3	14.6	14.4	2.7	18.6	17.9	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	7	14.3	27.9	*	14.3	31.6	*	28.6	35.1	*
Congestive Heart Failure.....	16	12.5	14.4	*	18.8	22.2	*	25.0	28.8	*
Pneumonia/Influenza.....	13	15.4	11.8	*	15.4	16.3	*	30.8	19.9	*
Chronic Obstructive Pulmonary Disease.....	8	12.5	10.1	*	25.0	16.7	*	25.0	21.6	*
Transient Cerebral Ischemia.....	3	0.0	2.1	*	0.0	4.4	*	0.0	6.9	*
Stroke.....	12	41.7	28.9	*	41.7	37.5	*	50.0	43.1	*
Hip Fracture.....	4	0.0	4.6	*	0.0	8.2	*	0.0	10.8	*
Sepsis.....	3	66.7	28.1	*	66.7	33.8	*	66.7	39.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	5.4	*	0.0	10.8	*	0.0	14.6	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	5	0.0	2.3	*	0.0	4.4	*	0.0	5.9	*
Open Reduction of Hip Fracture.....	1	0.0	6.7	*	0.0	12.0	*	0.0	15.8	*
Prostatectomy.....	4	0.0	0.9	*	0.0	2.2	*	0.0	3.5	*
Cholecystectomy.....	12	0.0	2.2	*	8.3	4.1	*	8.3	5.5	*
Hysterectomy.....	2	0.0	0.6	*	0.0	1.1	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	300	8.0	8.9	2.7	11.3	13.1	3.1	13.7	16.3	3.9
CONDITIONS:										
Acute Myocardial Infarction.....	8	25.0	24.5	*	37.5	26.5	*	37.5	29.2	*
Congestive Heart Failure.....	16	18.8	18.5	*	25.0	28.1	*	37.5	35.9	*
Pneumonia/Influenza.....	13	7.7	13.6	*	7.7	18.5	*	15.4	22.6	*
Chronic Obstructive Pulmonary Disease.....	8	12.5	7.3	*	12.5	12.6	*	12.5	17.0	*
Transient Cerebral Ischemia.....	8	12.5	2.2	*	12.5	4.9	*	12.5	7.8	*
Stroke.....	8	25.0	19.3	*	37.5	25.6	*	37.5	30.3	*
Hip Fracture.....	9	0.0	6.5	*	0.0	11.9	*	11.1	15.7	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	6	0.0	3.0	*	0.0	5.7	*	0.0	7.7	*
Open Reduction of Hip Fracture.....	3	0.0	9.1	*	0.0	17.7	*	33.3	23.8	*
Prostatectomy.....	17	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*
Cholecystectomy.....	16	0.0	2.6	*	0.0	4.3	*	0.0	5.3	*
Hysterectomy.....	2	0.0	1.1	*	0.0	2.6	*	0.0	4.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MT GRAHAM COMMUNITY HOSPITAL

1600 20th Ave
Safford, AZ 85546

Medicare Provider Number: 030068

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	418	9.6	7.7	1.8	12.4	11.5	2.2	16.7	14.8	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	11	36.4	24.6	*	36.4	27.7	*	36.4	31.3	*
Congestive Heart Failure.....	18	27.8	14.4	*	38.9	22.6	*	50.0	29.3	*
Pneumonia/Influenza.....	39	10.3	12.9	*	10.3	17.5	*	20.5	21.4	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	3.9	*	0.0	7.6	*	14.3	11.3	*
Transient Cerebral Ischemia.....	10	0.0	1.5	*	0.0	3.2	*	20.0	5.1	*
Stroke.....	17	23.5	21.2	*	35.3	27.9	*	35.3	32.8	*
Hip Fracture.....	7	14.3	5.3	*	28.6	9.7	*	28.6	12.9	*
Sepsis.....	9	22.2	21.6	*	33.3	27.6	*	33.3	33.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	4.9	*	0.0	9.4	*	0.0	12.9	*
Open Reduction of Hip Fracture.....	3	33.3	4.7	*	66.7	8.8	*	66.7	11.6	*
Prostatectomy.....	0									
Cholecystectomy.....	7	0.0	1.7	*	0.0	2.8	*	0.0	3.7	*
Hysterectomy.....	3	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 36
Occupancy Rate..... 50
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 12
Percent of Physicians Board Certified Specialists..... 58
Medical Residents/Interns..... 0
Registered Nurses..... 26
Licensed Practical Nurses..... 6

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

MT GRAHAM COMMUNITY HOSPITAL

Medicare Provider Number: 030068

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	363	11.0	10.0	1.9	17.1	14.5	2.3	21.5	18.0	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	14	28.6	35.5	*	28.6	39.5	*	35.7	43.4	*
Congestive Heart Failure.....	18	38.9	16.6	*	50.0	25.2	*	66.7	32.2	*
Pneumonia/Influenza.....	32	12.5	16.7	*	25.0	22.8	*	28.1	27.5	*
Chronic Obstructive Pulmonary Disease.....	6	16.7	4.2	*	16.7	7.8	*	16.7	11.1	*
Transient Cerebral Ischemia.....	6	0.0	2.4	*	0.0	5.4	*	0.0	8.5	*
Stroke.....	11	9.1	18.0	*	18.2	23.9	*	45.5	28.5	*
Hip Fracture.....	7	0.0	5.4	*	0.0	10.1	*	0.0	13.3	*
Sepsis.....	4	25.0	20.0	*	50.0	24.7	*	75.0	29.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	4.3	*	0.0	8.3	*	0.0	10.7	*
Open Reduction of Hip Fracture.....	4	0.0	5.1	*	0.0	9.9	*	0.0	13.4	*
Prostatectomy.....	0									
Cholecystectomy.....	4	0.0	2.2	*	0.0	4.4	*	0.0	5.9	*
Hysterectomy.....	3	0.0	1.5	*	0.0	2.9	*	0.0	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	344	10.5	10.1	1.7	12.8	14.2	2.0	15.7	17.7	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	27	33.3	24.3	*	33.3	27.4	*	33.3	30.8	*
Congestive Heart Failure.....	27	25.9	16.0	*	33.3	23.9	*	37.0	30.6	*
Pneumonia/Influenza.....	27	11.1	15.3	*	14.8	20.6	*	14.8	24.9	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	5.2	*	0.0	10.7	*	0.0	15.8	*
Transient Cerebral Ischemia.....	5	0.0	2.2	*	0.0	4.7	*	0.0	7.6	*
Stroke.....	16	25.0	17.4	*	25.0	22.9	*	25.0	27.4	*
Hip Fracture.....	4	0.0	4.2	*	0.0	7.9	*	0.0	10.9	*
Sepsis.....	6	16.7	18.5	*	33.3	26.3	*	33.3	32.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	3.8	*	0.0	7.4	*	0.0	10.3	*
Open Reduction of Hip Fracture.....	2	0.0	2.5	*	0.0	5.0	*	0.0	7.0	*
Prostatectomy.....	0									
Cholecystectomy.....	6	0.0	1.6	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy.....	3	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

NAVAPACHE HOSPITAL

2200 Show Low Lake Road
Show Low, AZ 85901

Medicare Provider Number: 030062

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	461	7.6	7.9	1.7	10.6	11.3	2.1	13.2	14.2	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	22	27.3	27.2	*	27.3	30.6	*	36.4	33.8	*
Congestive Heart Failure.....	25	16.0	11.4	*	20.0	17.4	*	24.0	23.2	*
Pneumonia/Influenza.....	25	4.0	9.7	*	4.0	13.6	*	8.0	17.1	*
Chronic Obstructive Pulmonary Disease.....	8	0.0	5.1	*	0.0	9.0	*	12.5	12.5	*
Transient Cerebral Ischemia.....	7	14.3	2.2	*	14.3	5.0	*	14.3	8.2	*
Stroke.....	12	25.0	17.1	*	25.0	23.0	*	33.3	27.1	*
Hip Fracture.....	16	0.0	5.5	*	6.3	10.2	*	12.5	13.5	*
Sepsis.....	6	33.3	23.2	*	33.3	28.2	*	33.3	33.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	2.9	*	0.0	6.2	*	0.0	9.3	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	12	8.3	3.6	*	16.7	7.1	*	16.7	9.7	*
Open Reduction of Hip Fracture.....	4	0.0	6.4	*	0.0	12.6	*	0.0	16.9	*
Prostatectomy.....	0									
Cholecystectomy.....	21	0.0	2.4	*	0.0	3.9	*	4.8	5.0	*
Hysterectomy.....	1	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 41
Occupancy Rate..... 54
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 25
Percent of Physicians Board Certified Specialists..... 76
Medical Residents/Interns..... 0
Registered Nurses..... 56
Licensed Practical Nurses..... 6

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

NAVAPACHE HOSPITAL
Medicare Provider Number: 030062

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	362	7.7	8.3	2.3	12.4	12.0	2.1	16.6	15.0	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	24	25.0	24.0	*	29.2	26.6	*	37.5	29.7	*
Congestive Heart Failure.....	10	0.0	14.1	*	0.0	19.9	*	20.0	25.5	*
Pneumonia/Influenza.....	27	3.7	11.2	*	7.4	15.4	*	7.4	18.9	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	3.8	*	0.0	6.9	*	0.0	9.8	*
Transient Cerebral Ischemia.....	0									
Stroke.....	12	16.7	15.9	*	33.3	22.9	*	33.3	27.3	*
Hip Fracture.....	15	6.7	5.7	*	6.7	10.4	*	13.3	13.4	*
Sepsis.....	3	0.0	16.7	*	0.0	21.0	*	0.0	25.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	10	0.0	3.9	*	10.0	7.8	*	10.0	11.2	*
Open Reduction of Hip Fracture.....	6	16.7	5.0	*	16.7	10.1	*	33.3	13.6	*
Prostatectomy.....	0									
Cholecystectomy.....	9	11.1	2.4	*	11.1	4.0	*	22.2	4.9	*
Hysterectomy.....	1	0.0	1.4	*	0.0	3.5	*	0.0	5.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	361	9.1	9.0	1.6	12.5	12.9	1.8	15.2	16.1	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	20	50.0	24.9	*	50.0	27.5	*	50.0	30.4	*
Congestive Heart Failure.....	16	12.5	13.4	*	18.8	19.4	*	25.0	25.1	*
Pneumonia/Influenza.....	15	6.7	9.9	*	13.3	13.7	*	13.3	16.8	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	3.9	*	0.0	7.6	*	0.0	10.9	*
Transient Cerebral Ischemia.....	0									
Stroke.....	11	18.2	13.7	*	27.3	19.8	*	27.3	23.9	*
Hip Fracture.....	13	7.7	5.8	*	7.7	9.9	*	7.7	12.5	*
Sepsis.....	7	0.0	19.7	*	0.0	26.8	*	14.3	31.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	6.3	*	0.0	9.0	*	0.0	10.6	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	5	0.0	3.5	*	0.0	6.2	*	0.0	8.1	*
Open Reduction of Hip Fracture.....	8	0.0	4.9	*	0.0	9.0	*	0.0	11.7	*
Prostatectomy.....	0									
Cholecystectomy.....	10	0.0	2.8	*	0.0	4.5	*	0.0	5.4	*
Hysterectomy.....	1	0.0	4.8	*	0.0	8.9	*	0.0	12.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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NAVAPACHE HOSPITAL

Provider #030062

2200 Show Low Lake Rd. • Show Low, Arizona 85901
(602) 537-4375
Fax. (602) 537-8358

Health Care Financing Administration
Health Standards & Quality Bureau
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Dear Mrs. Kappert:

The Quality Assurance and Utilization Review Departments of Navapache Hospital have reviewed the Medicare Mortality data for our hospital for calendar year 1989. We appreciate the opportunity to evaluate and comment on this report prior to its' release.

Validation of the data has demonstrated it to be essentially correct; however, because the numbers of deaths in any category is too small to estimate the standard deviation, the value of comparing observed to predicted mortality is limited. In no areas did we find meaningful differences that may indicate a quality problem and this data should not be interpreted as a statement on quality of care.

At Navapache Hospital, mortality review is an ongoing process of the Quality Assurance program. Our medical staff conducts intensive peer review on a monthly basis, reviewing entire patient charts. Any questions regarding medical management of the patient are discussed with the attending physician and we continually strive to improve quality in the delivery of services that are offered at our facility.

Thank you again for the opportunity to comment on this report.

Sincerely,

Virginia M. Blowers, Director
Health Information Management

NORTHERN COCHISE COMMUNITY HOSPITAL

901 West Rex Allen Drive
Willcox, AZ 85643

Medicare Provider Number: 030041

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	160	8.1	8.9	2.3	11.9	13.1	2.9	15.0	16.7	3.8
CONDITIONS:										
Acute Myocardial Infarction.....	10	40.0	27.9	*	40.0	30.9	*	50.0	34.4	*
Congestive Heart Failure.....	13	7.7	13.4	*	7.7	20.8	*	15.4	27.4	*
Pneumonia/Influenza.....	20	20.0	14.1	*	25.0	19.9	*	25.0	24.5	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	4.0	*	0.0	7.6	*	0.0	10.9	*
Transient Cerebral Ischemia.....	1	0.0	2.0	*	0.0	4.2	*	0.0	6.7	*
Stroke.....	3	0.0	24.1	*	0.0	31.8	*	0.0	37.4	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	38.3	*	0.0	44.2	*	0.0	50.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds..... 24
Ownership/Control..... District/Authority

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 14
Licensed Practical Nurses..... 2

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... No
Hospice..... No
Intensive Care Unit..... No
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

NORTHERN COCHISE COMMUNITY HOSPITAL

Medicare Provider Number: 030041

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	157	11.5	8.9	3.7	16.6	13.3	4.4	21.0	16.8	5.2
CONDITIONS:										
Acute Myocardial Infarction.....	3	0.0	34.7	*	0.0	37.9	*	0.0	41.4	*
Congestive Heart Failure.....	13	30.8	16.4	*	46.2	25.7	*	53.8	33.1	*
Pneumonia/Influenza.....	14	21.4	15.4	*	21.4	21.1	*	28.6	25.4	*
Chronic Obstructive Pulmonary Disease.....	4	50.0	11.4	*	50.0	19.4	*	50.0	25.7	*
Transient Cerebral Ischemia.....	2	0.0	1.4	*	0.0	3.1	*	0.0	4.9	*
Stroke.....	4	0.0	23.7	*	25.0	30.4	*	25.0	35.3	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	11.0	*	0.0	16.8	*	0.0	21.5	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	1	0.0	0.4	*	0.0	0.8	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	133	12.8	9.6	3.3	18.8	14.1	4.4	22.6	17.9	4.6
CONDITIONS:										
Acute Myocardial Infarction.....	6	33.3	23.2	*	33.3	26.3	*	33.3	29.4	*
Congestive Heart Failure.....	14	21.4	15.6	*	28.6	24.0	*	35.7	30.8	*
Pneumonia/Influenza.....	17	17.6	15.6	*	23.5	21.6	*	29.4	26.3	*
Chronic Obstructive Pulmonary Disease.....	4	25.0	12.9	*	50.0	19.8	*	50.0	24.5	*
Transient Cerebral Ischemia.....	0									
Stroke.....	5	40.0	21.2	*	80.0	27.7	*	80.0	32.8	*
Hip Fracture.....	2	50.0	7.3	*	50.0	14.9	*	50.0	20.6	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy.....	1	0.0	1.0	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy.....	1	0.0	1.1	*	0.0	1.7	*	0.0	2.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

NORTHWEST HOSPITAL

6200 N La Cholla Blvd

Tucson, AZ 85741

Medicare Provider Number: 030085

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,802	7.6	8.1	1.0	11.5	12.5	1.3	14.6	16.2	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	39	30.8	29.6	*	30.8	32.8	*	33.3	36.3	*
Congestive Heart Failure.....	71	11.3	15.3	7.6	19.7	23.6	9.9	25.4	30.3	9.4
Pneumonia/Influenza.....	86	16.3	15.1	4.6	19.8	21.1	4.5	22.1	25.6	5.5
Chronic Obstructive Pulmonary Disease.....	40	10.0	8.9	*	15.0	14.8	*	17.5	19.5	*
Transient Cerebral Ischemia.....	18	0.0	1.6	*	0.0	3.6	*	5.6	5.7	*
Stroke.....	72	11.1	20.9	7.5	15.3	27.4	8.5	20.8	32.1	8.3
Hip Fracture.....	47	0.0	5.8	*	6.4	10.8	*	10.6	14.3	*
Sepsis.....	14	0.0	19.3	*	0.0	27.2	*	0.0	31.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	12	0.0	2.7	*	8.3	5.6	*	8.3	8.5	*
Carotid Endarterectomy.....	4	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction.....	20	0.0	3.2	*	0.0	6.0	*	0.0	7.9	*
Open Reduction of Hip Fracture.....	24	0.0	5.2	*	8.3	10.1	*	12.5	13.6	*
Prostatectomy.....	92	1.1	0.7	0.9	2.2	1.7	1.6	3.3	3.0	2.6
Cholecystectomy.....	37	2.7	2.8	*	5.4	5.3	*	8.1	7.2	*
Hysterectomy.....	8	12.5	3.7	*	12.5	6.0	*	12.5	8.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 80
 Occupancy Rate..... 77
 Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 170
 Percent of Physicians Board Certified Specialists..... 61
 Medical Residents/Interns..... 0
 Registered Nurses..... 82
 Licensed Practical Nurses..... 24

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

NORTHWEST HOSPITAL
Medicare Provider Number: 030085

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,642	7.6	7.9	0.7	11.3	12.3	1.0	13.9	15.9	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	43	37.2	27.9	*	39.5	31.7	*	41.9	35.6	*
Congestive Heart Failure.....	51	7.8	20.3	8.9	23.5	31.2	9.0	29.4	39.2	8.7
Pneumonia/Influenza.....	70	12.9	16.8	8.1	17.1	23.5	10.5	21.4	28.4	11.7
Chronic Obstructive Pulmonary Disease.....	46	4.3	8.9	*	13.0	15.3	*	13.0	20.9	*
Transient Cerebral Ischemia.....	25	0.0	1.6	*	0.0	3.6	*	0.0	5.6	*
Stroke.....	58	12.1	23.9	8.6	19.0	30.2	9.8	20.7	35.0	10.6
Hip Fracture.....	38	10.5	6.4	*	15.8	11.8	*	15.8	15.2	*
Sepsis.....	9	22.2	35.1	*	22.2	47.8	*	33.3	55.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	10	0.0	3.2	*	0.0	6.5	*	0.0	9.7	*
Carotid Endarterectomy.....	1	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction.....	21	9.5	4.2	*	14.3	8.2	*	14.3	10.8	*
Open Reduction of Hip Fracture.....	19	15.8	6.1	*	21.1	11.5	*	21.1	15.1	*
Prostatectomy.....	81	3.7	0.7	2.3	4.9	1.6	2.7	6.2	2.8	3.2
Cholecystectomy.....	48	2.1	2.6	*	6.3	4.7	*	8.3	6.3	*
Hysterectomy.....	2	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,460	8.2	8.6	1.0	11.9	13.2	1.1	15.4	16.9	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	39	35.9	32.8	*	35.9	36.8	*	38.5	40.8	*
Congestive Heart Failure.....	54	14.8	17.5	5.4	22.2	26.6	7.0	24.1	33.8	8.9
Pneumonia/Influenza.....	60	15.0	13.8	4.8	16.7	19.0	5.5	21.7	23.3	5.6
Chronic Obstructive Pulmonary Disease.....	58	6.9	8.3	4.6	8.6	14.0	6.5	12.1	18.8	8.4
Transient Cerebral Ischemia.....	25	0.0	2.2	*	0.0	4.8	*	0.0	7.6	*
Stroke.....	53	18.9	23.5	6.8	30.2	30.0	7.3	34.0	34.6	6.9
Hip Fracture.....	26	7.7	6.7	*	7.7	13.1	*	11.5	17.6	*
Sepsis.....	6	0.0	31.2	*	0.0	38.3	*	0.0	44.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	5.3	*	0.0	8.1	*	0.0	10.7	*
Carotid Endarterectomy.....	3	0.0	1.9	*	0.0	4.1	*	0.0	6.3	*
Hip Replacement/Reconstruction.....	9	11.1	5.3	*	11.1	11.6	*	11.1	16.6	*
Open Reduction of Hip Fracture.....	14	0.0	5.1	*	0.0	10.3	*	0.0	14.1	*
Prostatectomy.....	59	1.7	0.8	1.6	1.7	2.0	1.9	1.7	3.4	2.7
Cholecystectomy.....	36	5.6	3.8	*	5.6	7.0	*	5.6	9.3	*
Hysterectomy.....	3	0.0	1.0	*	0.0	1.9	*	0.0	2.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PAGE HOSPITAL

North Navajo Dr & Vista Ave Box 1447
Page, AZ 86040

Medicare Provider Number: 030047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	59	5.1	9.3	4.9	6.8	13.7	6.4	6.8	17.5	9.3
CONDITIONS:										
Acute Myocardial Infarction.....	4	0.0	24.0	*	0.0	27.5	*	0.0	31.7	*
Congestive Heart Failure.....	6	0.0	9.6	*	0.0	14.8	*	0.0	19.8	*
Pneumonia/Influenza.....	2	0.0	14.7	*	0.0	19.9	*	0.0	24.4	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	3.7	*	0.0	6.7	*	0.0	9.7	*
Transient Cerebral Ischemia.....	1	0.0	2.0	*	0.0	4.9	*	0.0	8.1	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 25
Occupancy Rate..... 20
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 9
Percent of Physicians Board Certified Specialists..... 56
Medical Residents/Interns..... 0
Registered Nurses..... 18
Licensed Practical Nurses..... 4

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

PAGE HOSPITAL
Medicare Provider Number: 030047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	77	16.9	9.6	4.7	16.9	14.0	6.4	16.9	17.4	8.7
CONDITIONS:										
Acute Myocardial Infarction.....	7	57.1	26.7	*	57.1	29.4	*	57.1	32.8	*
Congestive Heart Failure.....	8	25.0	14.3	*	25.0	22.7	*	25.0	29.8	*
Pneumonia/Influenza.....	5	20.0	14.2	*	20.0	19.0	*	20.0	22.9	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	20.9	*	0.0	35.2	*	0.0	45.5	*
Transient Cerebral Ischemia.....	3	0.0	1.4	*	0.0	3.1	*	0.0	5.0	*
Stroke.....	3	0.0	17.1	*	0.0	22.8	*	0.0	27.1	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	1.9	*	0.0	3.6	*	0.0	4.5	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	74	6.8	7.8	3.3	12.2	11.9	4.0	12.2	15.4	5.0
CONDITIONS:										
Acute Myocardial Infarction.....	4	25.0	25.3	*	25.0	29.9	*	25.0	33.8	*
Congestive Heart Failure.....	3	0.0	21.3	*	66.7	33.6	*	66.7	42.5	*
Pneumonia/Influenza.....	1	0.0	13.0	*	0.0	17.6	*	0.0	21.2	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	9.6	*	0.0	16.3	*	0.0	21.6	*
Transient Cerebral Ischemia.....	2	0.0	1.2	*	0.0	2.4	*	0.0	3.6	*
Stroke.....	4	25.0	14.8	*	25.0	19.7	*	25.0	23.9	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	1.1	*	0.0	2.0	*	0.0	2.7	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PARKER COMMUNITY HOSPITAL

1149 Mohave Road P O Box 1149
Parker, AZ 85344

Medicare Provider Number: 030067

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	506	6.7	8.2	1.4	9.7	12.1	1.9	11.7	15.3	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	11	9.1	21.5	*	18.2	24.6	*	18.2	28.0	*
Congestive Heart Failure.....	25	8.0	13.5	*	20.0	21.4	*	28.0	28.1	*
Pneumonia/Influenza.....	49	4.1	12.3	*	4.1	17.0	*	6.1	20.9	*
Chronic Obstructive Pulmonary Disease.....	21	4.8	4.4	*	4.8	8.4	*	9.5	12.0	*
Transient Cerebral Ischemia.....	8	0.0	1.3	*	0.0	3.0	*	0.0	4.8	*
Stroke.....	17	0.0	14.2	*	0.0	19.5	*	0.0	23.5	*
Hip Fracture.....	3	0.0	6.1	*	0.0	10.5	*	0.0	13.5	*
Sepsis.....	3	0.0	14.8	*	0.0	20.3	*	0.0	24.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	2.7	*	0.0	5.7	*	0.0	8.8	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	2	0.0	6.1	*	0.0	11.0	*	0.0	14.3	*
Prostatectomy.....	2	0.0	1.4	*	0.0	3.6	*	0.0	6.5	*
Cholecystectomy.....	1	0.0	1.5	*	0.0	2.2	*	0.0	2.8	*
Hysterectomy.....	1	0.0	0.4	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 39
Occupancy Rate..... 46
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 7
Percent of Physicians Board Certified Specialists..... 86
Medical Residents/Interns..... 0
Registered Nurses..... 19
Licensed Practical Nurses..... 6

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

PARKER COMMUNITY HOSPITAL

Medicare Provider Number: 030067

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	519	5.6	8.5	1.8	10.2	12.5	2.3	12.3	15.8	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	15	13.3	22.7	*	13.3	26.2	*	13.3	29.4	*
Congestive Heart Failure.....	32	6.3	13.1	*	15.6	20.4	*	28.1	26.8	*
Pneumonia/Influenza.....	25	8.0	13.4	*	20.0	18.4	*	28.0	22.2	*
Chronic Obstructive Pulmonary Disease.....	12	0.0	7.0	*	0.0	11.5	*	0.0	15.7	*
Transient Cerebral Ischemia.....	15	0.0	1.7	*	0.0	3.8	*	6.7	6.0	*
Stroke.....	19	26.3	17.2	*	31.6	22.9	*	42.1	27.2	*
Hip Fracture.....	1	0.0	2.2	*	0.0	4.2	*	0.0	5.7	*
Sepsis.....	3	0.0	22.4	*	0.0	26.7	*	0.0	30.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	7.6	*	0.0	13.3	*	0.0	17.1	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	7	0.0	1.2	*	0.0	2.0	*	0.0	2.6	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	483	5.8	8.1	1.6	9.9	12.2	2.1	12.6	15.5	2.2
CONDITIONS:										
Acute Myocardial Infarction.....	14	21.4	27.6	*	28.6	31.2	*	28.6	34.6	*
Congestive Heart Failure.....	32	9.4	13.2	*	18.8	20.6	*	18.8	27.0	*
Pneumonia/Influenza.....	16	12.5	11.9	*	18.8	16.8	*	31.3	20.8	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	6.5	*	0.0	10.9	*	0.0	14.4	*
Transient Cerebral Ischemia.....	12	0.0	2.3	*	8.3	4.9	*	8.3	7.6	*
Stroke.....	12	0.0	15.7	*	8.3	20.6	*	16.7	24.8	*
Hip Fracture.....	1	0.0	2.1	*	0.0	4.1	*	0.0	5.6	*
Sepsis.....	3	0.0	28.9	*	0.0	33.7	*	0.0	38.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	1.8	*	0.0	4.0	*	0.0	5.9	*
Cholecystectomy.....	5	0.0	1.4	*	0.0	2.2	*	0.0	2.8	*
Hysterectomy.....	2	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PARKER PHS INDIAN HOSPITAL

Rt 1 Box 12
Parker, AZ 85344

Medicare Provider Number: 030079

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	30	16.7	9.4	*	20.0	15.0	*	20.0	19.5	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	66.7	17.4	*	100.0	26.4	*	100.0	34.0	*
Pneumonia/Influenza.....	2	50.0	24.5	*	50.0	35.4	*	50.0	43.1	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	1	0.0	1.8	*	0.0	4.2	*	0.0	6.8	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 20
Occupancy Rate..... 15
Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 5
Percent of Physicians Board Certified Specialists..... 20
Medical Residents/Interns..... 0
Registered Nurses..... 11
Licensed Practical Nurses..... 2

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

PARKER PHS INDIAN HOSPITAL

Medicare Provider Number: 030079

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	33	0.0	6.8	*	3.0	11.2	*	9.1	15.1	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	43.0	*	0.0	46.1	*	0.0	50.5	*
Congestive Heart Failure.....	2	0.0	17.2	*	0.0	28.0	*	0.0	36.5	*
Pneumonia/Influenza.....	2	0.0	14.0	*	0.0	21.6	*	0.0	27.3	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	42	4.8	7.5	*	9.5	12.0	*	14.3	15.8	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	21.7	*	0.0	24.0	*	0.0	26.9	*
Congestive Heart Failure.....	1	0.0	14.0	*	100.0	23.6	*	100.0	32.1	*
Pneumonia/Influenza.....	2	0.0	18.2	*	0.0	26.8	*	0.0	33.4	*
Chronic Obstructive Pulmonary Disease.....	3	33.3	7.0	*	33.3	12.0	*	33.3	16.1	*
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHOENIX BAPTIST HOSPITAL & MED CENTER

6025 North 20th Avenue

Phoenix, AZ 85015

Medicare Provider Number: 030030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,517	9.1	7.7	0.8	12.5	11.8	0.7	15.9	15.0	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	73	34.2	22.2	8.4	38.4	25.4	8.1	39.7	28.6	7.8
Congestive Heart Failure.....	86	12.8	12.6	3.6	17.4	19.8	4.8	25.6	26.1	4.8
Pneumonia/Influenza.....	103	19.4	14.6	4.0	25.2	20.2	4.3	32.0	24.7	4.8
Chronic Obstructive Pulmonary Disease.....	39	7.7	5.8	*	10.3	10.2	*	15.4	14.3	*
Transient Cerebral Ischemia.....	20	0.0	2.0	*	5.0	4.3	*	5.0	6.9	*
Stroke.....	60	25.0	19.9	8.7	30.0	26.6	11.3	38.3	31.0	13.2
Hip Fracture.....	67	7.5	5.7	3.2	9.0	10.7	4.0	10.4	14.1	5.4
Sepsis.....	29	24.1	21.4	*	41.4	28.5	*	41.4	33.9	*
PROCEDURES:										
Angioplasty.....	30	3.3	3.3	*	3.3	4.5	*	6.7	5.8	*
Coronary Artery Bypass Graft.....	53	7.5	4.9	3.8	9.4	6.8	4.9	11.3	8.2	5.7
Initial Pacemaker Insertion.....	33	6.1	2.7	*	6.1	5.3	*	6.1	7.9	*
Carotid Endarterectomy.....	11	9.1	2.9	*	9.1	6.4	*	9.1	10.2	*
Hip Replacement/Reconstruction.....	54	3.7	3.1	2.7	5.6	6.0	3.3	7.4	8.1	3.8
Open Reduction of Hip Fracture.....	30	6.7	5.4	*	6.7	10.5	*	10.0	14.3	*
Prostatectomy.....	132	0.8	1.1	*	0.8	2.6	*	0.8	4.3	*
Cholecystectomy.....	68	8.8	2.9	3.9	10.3	5.0	4.4	13.2	6.5	4.9
Hysterectomy.....	24	0.0	1.1	*	0.0	2.3	*	0.0	3.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 241
 Occupancy Rate..... 56
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 252
 Percent of Physicians Board Certified Specialists..... 80
 Medical Residents/Interns..... 19
 Registered Nurses..... 216
 Licensed Practical Nurses..... 10

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

PHOENIX BAPTIST HOSPITAL & MED CENTER

Medicare Provider Number: 030030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,710	8.1	7.9	0.7	11.9	12.2	0.8	14.8	15.5	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	85	28.2	26.4	5.0	30.6	29.5	5.6	32.9	32.7	5.2
Congestive Heart Failure.....	87	17.2	14.0	4.9	24.1	21.6	6.6	34.5	28.1	9.6
Pneumonia/Influenza.....	103	18.4	15.6	5.2	25.2	21.6	4.5	25.2	26.2	4.4
Chronic Obstructive Pulmonary Disease.....	36	8.3	7.9	*	11.1	14.3	*	16.7	19.9	*
Transient Cerebral Ischemia.....	25	4.0	2.0	*	12.0	4.4	*	16.0	7.0	*
Stroke.....	70	27.1	20.8	7.0	32.9	27.6	6.1	34.3	32.3	6.4
Hip Fracture.....	90	7.8	5.7	3.5	12.2	10.6	4.3	16.7	14.0	5.7
Sepsis.....	26	38.5	25.4	*	42.3	32.6	*	42.3	37.9	*
PROCEDURES:										
Angioplasty.....	28	0.0	3.9	*	0.0	4.8	*	0.0	5.9	*
Coronary Artery Bypass Graft.....	69	13.0	7.8	5.4	13.0	10.9	4.2	13.0	12.6	4.4
Initial Pacemaker Insertion.....	26	0.0	3.4	*	3.8	6.1	*	3.8	8.6	*
Carotid Endarterectomy.....	16	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction.....	78	2.6	3.2	2.1	5.1	6.1	2.9	10.3	8.2	4.0
Open Reduction of Hip Fracture.....	34	5.9	4.9	*	5.9	9.5	*	11.8	12.9	*
Prostatectomy.....	132	0.8	1.2	1.1	1.5	2.8	2.0	2.3	4.7	3.1
Cholecystectomy.....	70	0.0	2.9	2.8	2.9	5.5	4.4	2.9	7.4	5.3
Hysterectomy.....	15	0.0	0.7	*	0.0	1.3	*	6.7	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

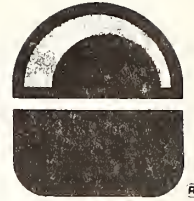
FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,740	8.0	7.9	0.6	12.3	12.2	0.8	15.3	15.6	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	84	23.8	25.5	5.4	27.4	29.3	5.2	33.3	32.9	5.4
Congestive Heart Failure.....	108	13.9	14.0	3.3	22.2	21.4	4.3	28.7	27.9	4.4
Pneumonia/Influenza.....	95	14.7	13.3	3.9	17.9	18.5	4.0	20.0	22.8	5.5
Chronic Obstructive Pulmonary Disease.....	48	4.2	7.3	*	10.4	12.7	*	16.7	17.2	*
Transient Cerebral Ischemia.....	28	0.0	2.1	*	7.1	4.5	*	7.1	7.1	*
Stroke.....	84	15.5	17.3	4.4	25.0	23.6	4.9	28.6	27.9	5.1
Hip Fracture.....	75	9.3	4.8	4.3	14.7	9.1	5.4	16.0	12.2	5.5
Sepsis.....	26	34.6	22.7	*	42.3	28.9	*	42.3	34.4	*
PROCEDURES:										
Angioplasty.....	37	0.0	3.4	*	2.7	4.5	*	2.7	5.7	*
Coronary Artery Bypass Graft.....	59	13.6	6.3	6.2	13.6	8.7	5.7	15.3	10.2	5.8
Initial Pacemaker Insertion.....	25	0.0	3.2	*	12.0	6.3	*	16.0	9.1	*
Carotid Endarterectomy.....	18	0.0	1.9	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction.....	64	7.8	2.5	3.3	9.4	4.9	3.6	9.4	6.7	4.0
Open Reduction of Hip Fracture.....	25	4.0	4.8	*	12.0	9.4	*	16.0	12.8	*
Prostatectomy.....	151	0.0	1.1	1.6	2.0	2.5	1.4	4.0	4.1	1.6
Cholecystectomy.....	49	0.0	3.5	*	0.0	5.9	*	0.0	7.4	*
Hysterectomy.....	35	0.0	1.0	*	0.0	1.8	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHOENIX BAPTIST HOSPITAL AND MEDICAL CENTER

6025 North 20th Avenue / Phoenix, Arizona 85015 / (602) 249-0212

Provider # 030030

January 13, 1991

To All Interested Parties:

This letter contains a few brief comments on HCFA's latest release of mortality information.

Phoenix Baptist Hospital and Medical Center is a 240 bed community hospital with over 800 physicians on staff. Over 200 of these are active staff members, and 80% of these are board certified in their chosen specialties.

We are proactive in our peer review process and all deaths and adverse occurrences are reviewed with the goals of improving patient care and providing intervention, education or other appropriate action when indicated.

In reviewing the data for the three years provided by HCFA, we have found no significant trends among any of the procedures or conditions that have been highlighted in this report. We have found significant disparities between our own statistics and those of HCFA; we can only attribute this to HCFA's method of randomly choosing only one admission out of what may be many at many different hospitals in a given year for analysis.

The new mathematical model being utilized by HCFA and their attempt to make the information more meaningful certainly represent a substantial investment of time and expertise. It should also be noted that this is an improvement over the initial release of raw data that was done in 1986. However, it is the database itself (information gleaned from billing abstracts) that is the least reliable component of the system and renders many of the conclusions suspect.

ICD-9-CM codes were not created, nor were they ever intended for the purpose of measuring the severity of patient illness or predicting risk. They are a method of classifying diseases, procedures and conditions by number. In this way they are comparable to the Dewey decimal system frequently used by libraries for classifying books. Certainly, they can provide general information as to why a patient was admitted and what his (or her) overall current diagnoses might be; unfortunately, they provide little useful information besides that. For example, a patient with coronary artery disease will be assigned a code of "414.0". This code tells us that the patient has some form of coronary artery disease. It does not and can not tell us if that disease is mild, moderate or severe to the point of life-threatening. Of all the tools currently available, the use of ICD-9-CM codes has been shown repeatedly to be the least reliable of the methods for determining severity of illness and risk.

Provider # 030030

This error is compounded both ways. Not only can a patient who is extremely ill show up as low risk; but another may appear to be high risk (because of the number of conditions coded) and actually be fairly stable with a reasonable expectation to do well with certain procedures. When you multiply these variances by the disparity in coding methods and protocols between hospitals and different regions of the country, the data becomes less and less meaningful with each new extrapolation.


In closing, we should mention one other aspect of the data. With increasing pressure from HCFA to reduce hospital admissions and treat more Medicare patients on an outpatient basis, the average acuity of patients actually admitted to the hospital is increasing while the number of actual admissions is decreasing. With fewer total admissions to serve as the "denominator" in our statistics, we have shown a slight increase in our "All Causes" category. This is directly attributable to a decrease in our hospital admissions and not an increase in mortality. We currently average over forty patients per month (almost 500 per year, over half of them Medicare) who are classified as "observation" patients. This means they are treated in our hospital and occupy beds in our hospital but are billed as outpatients. Thus they have been removed from the sample HCFA is using for their determinations. Were this not the case, our statistics would have been virtually identical to those noted in 1987 and 1988 and would fall well within the standard deviation predicted.

Sincerely,



Kevin E. Nolan

Executive Vice President



John J. Kelley, M. D.

Chairman, Quality Management Committee

PHOENIX GEN HOSPITAL & MEDICAL CENTER

19829 North 27th Ave

Phoenix, AZ 85027

Medicare Provider Number: 030092

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	718	8.8	7.3	1.3	11.0	11.3	1.2	13.5	14.5	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	16	25.0	18.8	*	25.0	21.8	*	25.0	24.9	*
Congestive Heart Failure.....	20	10.0	13.0	*	10.0	20.3	*	20.0	26.6	*
Pneumonia/Influenza.....	44	13.6	12.0	*	15.9	16.6	*	25.0	20.5	*
Chronic Obstructive Pulmonary Disease.....	11	9.1	11.6	*	27.3	20.8	*	27.3	27.8	*
Transient Cerebral Ischemia.....	12	0.0	1.6	*	0.0	3.3	*	0.0	5.2	*
Stroke.....	21	28.6	18.8	*	28.6	25.2	*	33.3	29.5	*
Hip Fracture.....	11	0.0	5.4	*	27.3	10.2	*	27.3	13.9	*
Sepsis.....	3	0.0	24.3	*	33.3	29.7	*	33.3	35.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	3	0.0	8.8	*	0.0	12.3	*	0.0	14.6	*
Initial Pacemaker Insertion.....	5	0.0	2.3	*	20.0	4.7	*	20.0	6.9	*
Carotid Endarterectomy.....	5	20.0	1.9	*	20.0	3.6	*	20.0	5.3	*
Hip Replacement/Reconstruction.....	9	0.0	3.4	*	11.1	6.6	*	11.1	9.2	*
Open Reduction of Hip Fracture.....	6	0.0	4.0	*	33.3	8.1	*	33.3	11.3	*
Prostatectomy.....	42	2.4	0.7	*	2.4	1.6	*	4.8	2.6	*
Cholecystectomy.....	16	0.0	2.4	*	0.0	4.2	*	0.0	5.5	*
Hysterectomy.....	5	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 101
 Occupancy Rate..... 49
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
 Percent of Physicians Board Certified Specialists..... (Not Available)
 Medical Residents/Interns..... (Not Available)
 Registered Nurses..... (Not Available)
 Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

PHOENIX GEN HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 030092

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	334	8.1	8.0	2.3	12.9	12.4	2.3	17.1	15.8	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	7	57.1	23.7	*	57.1	26.4	*	57.1	29.5	*
Congestive Heart Failure.....	17	5.9	15.2	*	17.6	23.1	*	23.5	29.8	*
Pneumonia/Influenza.....	18	0.0	11.6	*	0.0	15.5	*	0.0	19.1	*
Chronic Obstructive Pulmonary Disease.....	6	0.0	8.4	*	16.7	13.7	*	16.7	18.4	*
Transient Cerebral Ischemia.....	3	0.0	1.2	*	0.0	2.7	*	0.0	4.3	*
Stroke.....	3	0.0	17.2	*	33.3	23.8	*	66.7	28.2	*
Hip Fracture.....	13	0.0	5.0	*	7.7	9.2	*	23.1	12.0	*
Sepsis.....	2	0.0	15.5	*	0.0	25.3	*	0.0	31.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	1	0.0	13.3	*	0.0	16.7	*	0.0	17.9	*
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	1	0.0	2.0	*	0.0	4.1	*	0.0	6.2	*
Hip Replacement/Reconstruction.....	3	0.0	3.5	*	0.0	6.4	*	0.0	8.2	*
Open Reduction of Hip Fracture.....	8	0.0	4.2	*	12.5	8.0	*	25.0	10.6	*
Prostatectomy.....	10	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*
Cholecystectomy.....	7	14.3	3.0	*	28.6	4.9	*	28.6	6.0	*
Hysterectomy.....	4	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	0									
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHOENIX MEMORIAL HOSPITAL

1201 South 7th Street
Phoenix, AZ 85007

Medicare Provider Number: 030003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	804	10.4	10.0	1.1	16.4	15.3	1.7	19.9	19.5	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	20	40.0	23.7	*	45.0	27.4	*	55.0	31.2	*
Congestive Heart Failure.....	59	15.3	14.8	6.9	27.1	23.0	9.4	30.5	29.8	8.1
Pneumonia/Influenza.....	49	10.2	14.7	*	18.4	20.7	*	22.4	25.3	*
Chronic Obstructive Pulmonary Disease.....	19	0.0	5.6	*	10.5	11.1	*	15.8	16.4	*
Transient Cerebral Ischemia.....	6	0.0	2.3	*	0.0	5.3	*	0.0	8.5	*
Stroke.....	29	13.8	21.6	*	13.8	28.0	*	20.7	32.3	*
Hip Fracture.....	23	4.3	4.5	*	4.3	8.3	*	4.3	11.2	*
Sepsis.....	24	29.2	22.9	*	33.3	31.4	*	41.7	38.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	1.3	*	0.0	2.7	*	50.0	4.1	*
Carotid Endarterectomy.....	6	0.0	3.0	*	0.0	6.2	*	0.0	9.1	*
Hip Replacement/Reconstruction.....	18	5.6	3.2	*	5.6	6.1	*	5.6	8.3	*
Open Reduction of Hip Fracture.....	6	0.0	4.4	*	0.0	8.5	*	0.0	11.4	*
Prostatectomy.....	11	0.0	2.4	*	9.1	5.4	*	9.1	8.7	*
Cholecystectomy.....	26	3.8	2.3	*	7.7	4.1	*	7.7	5.5	*
Hysterectomy.....	4	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 180
Occupancy Rate..... 64
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 466
Percent of Physicians Board Certified Specialists..... 75
Medical Residents/Interns..... 0
Registered Nurses..... 201
Licensed Practical Nurses..... 37

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

PHOENIX MEMORIAL HOSPITAL

Medicare Provider Number: 030003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	921	7.2	9.5	1.3	12.9	14.8	1.7	16.8	18.9	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	23	13.0	25.8	*	26.1	30.0	*	30.4	33.9	*
Congestive Heart Failure.....	56	5.4	15.2	7.0	17.9	23.6	7.7	23.2	30.4	7.5
Pneumonia/Influenza.....	59	8.5	17.2	8.5	16.9	23.3	7.3	22.0	28.1	7.2
Chronic Obstructive Pulmonary Disease.....	20	5.0	7.7	*	10.0	13.9	*	10.0	19.2	*
Transient Cerebral Ischemia.....	11	9.1	2.6	*	18.2	5.9	*	18.2	9.4	*
Stroke.....	39	12.8	19.4	*	23.1	26.7	*	30.8	31.5	*
Hip Fracture.....	29	10.3	6.2	*	13.8	11.4	*	13.8	14.8	*
Sepsis.....	11	36.4	23.9	*	54.5	30.4	*	54.5	35.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	0.0	10.9	*	11.1	16.2	*	11.1	20.1	*
Carotid Endarterectomy.....	4	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction.....	15	6.7	4.3	*	6.7	8.3	*	13.3	11.0	*
Open Reduction of Hip Fracture.....	9	11.1	6.5	*	11.1	12.1	*	11.1	15.6	*
Prostatectomy.....	19	0.0	2.5	*	5.3	5.6	*	5.3	9.1	*
Cholecystectomy.....	20	0.0	5.3	*	0.0	10.5	*	10.0	14.0	*
Hysterectomy.....	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	959	10.1	9.3	1.1	14.7	14.5	1.2	17.9	18.5	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	27	22.2	24.6	*	29.6	28.4	*	29.6	31.7	*
Congestive Heart Failure.....	69	8.7	13.9	6.1	20.3	22.1	5.9	24.6	29.0	8.2
Pneumonia/Influenza.....	39	10.3	14.6	*	20.5	20.0	*	23.1	24.5	*
Chronic Obstructive Pulmonary Disease.....	35	11.4	6.9	*	14.3	13.0	*	20.0	18.1	*
Transient Cerebral Ischemia.....	14	0.0	1.7	*	7.1	3.8	*	14.3	6.1	*
Stroke.....	31	22.6	20.9	*	29.0	27.9	*	32.3	32.7	*
Hip Fracture.....	20	5.0	5.3	*	5.0	9.7	*	5.0	12.6	*
Sepsis.....	15	26.7	20.2	*	33.3	28.7	*	40.0	34.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	7.1	*	0.0	10.9	*	0.0	13.6	*
Carotid Endarterectomy.....	2	0.0	2.2	*	0.0	4.1	*	0.0	5.9	*
Hip Replacement/Reconstruction.....	10	0.0	1.9	*	0.0	3.8	*	0.0	5.2	*
Open Reduction of Hip Fracture.....	12	0.0	4.8	*	0.0	9.1	*	0.0	12.1	*
Prostatectomy.....	17	0.0	1.2	*	0.0	3.1	*	0.0	5.3	*
Cholecystectomy.....	24	8.3	3.4	*	12.5	6.3	*	16.7	8.2	*
Hysterectomy.....	5	0.0	3.1	*	20.0	6.0	*	20.0	8.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN HOSPITAL

P O Box 649
Fort Defiance, AZ 86504

Medicare Provider Number: 030071

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	94	10.6	10.5	3.2	12.8	16.4	4.5	18.1	20.5	4.4
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	0.0	13.1	*	0.0	22.8	*	0.0	31.4	*
Pneumonia/Influenza.....	12	8.3	15.6	*	8.3	21.1	*	8.3	25.3	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	2	100.0	13.3	*	100.0	23.4	*	100.0	29.2	*
Sepsis.....	2	50.0	48.0	*	50.0	60.0	*	50.0	64.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 49
Occupancy Rate..... 45
Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 15
Percent of Physicians Board Certified Specialists..... 100
Medical Residents/Interns..... 0
Registered Nurses..... 48
Licensed Practical Nurses..... 16

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

PHS INDIAN HOSPITAL
Medicare Provider Number: 030071

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	92	2.2	8.4	4.4	5.4	13.3	5.5	14.1	17.5	4.7
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	11	0.0	14.6	*	0.0	22.8	*	9.1	29.5	*
Pneumonia/Influenza.....	11	0.0	22.9	*	18.2	30.6	*	18.2	36.1	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	5.8	*	0.0	10.9	*	0.0	15.8	*
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	12.7	*	0.0	16.2	*	0.0	19.6	*
Hip Fracture.....	1	0.0	6.6	*	0.0	12.7	*	0.0	16.7	*
Sepsis.....	1	0.0	7.0	*	0.0	8.9	*	0.0	10.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	1	0.0	0.6	*	0.0	0.6	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	115	10.4	9.4	2.8	12.2	14.9	4.3	13.9	19.4	6.5
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	29.8	*	0.0	33.6	*	0.0	37.7	*
Congestive Heart Failure.....	6	16.7	18.2	*	16.7	31.2	*	16.7	41.0	*
Pneumonia/Influenza.....	13	7.7	16.9	*	7.7	23.4	*	7.7	28.4	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	2	0.0	2.5	*	0.0	6.1	*	0.0	10.0	*
Stroke.....	4	50.0	29.8	*	50.0	35.4	*	50.0	39.9	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	14.9	*	0.0	20.2	*	0.0	24.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	1	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN HOSPITAL

P O Box 98

Keams Canyon, AZ 86034

Medicare Provider Number: 030072

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	74	4.1	8.3	5.0	6.8	13.2	7.0	12.2	17.1	7.5
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	4	0.0	17.7	*	0.0	27.5	*	0.0	35.1	*
Pneumonia/Influenza.....	10	0.0	14.4	*	0.0	20.2	*	0.0	24.7	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	3	0.0	17.6	*	0.0	23.9	*	0.0	28.8	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS ****SOURCE:** Health Care Financing Administration (OSCAR) - 1982

Total Beds..... 38
 Ownership/Control..... Federal Government

STAFFING:

Medical Residents/Interns..... 0
 Registered Nurses..... 15
 Licensed Practical Nurses..... 8

SPECIALTY SERVICES:

Burn Unit..... No
 Coronary Care Unit..... No
 Hospice..... No
 Intensive Care Unit..... No
 Organ Transplant..... No
 Rehabilitation..... No
 Shock Trauma..... No

** Not used in calculating hospital mortality rates.

PHS INDIAN HOSPITAL
Medicare Provider Number: 030072

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	54	5.6	9.1	6.6	9.3	13.6	7.4	11.1	17.6	7.5
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	4	0.0	12.8	*	0.0	21.1	*	25.0	28.2	*
Pneumonia/Influenza.....	6	16.7	17.2	*	16.7	23.8	*	16.7	28.8	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	2.3	*	0.0	4.7	*	0.0	6.6	*
Transient Cerebral Ischemia.....	1	0.0	1.4	*	0.0	3.2	*	0.0	5.0	*
Stroke.....	4	0.0	18.0	*	0.0	23.3	*	0.0	27.7	*
Hip Fracture.....	1	0.0	5.5	*	0.0	10.7	*	0.0	14.2	*
Sepsis.....	1	0.0	54.5	*	0.0	62.1	*	0.0	70.4	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	72	2.8	8.4	4.0	5.6	13.1	5.4	5.6	16.7	6.1
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	39.1	*	100.0	41.8	*	100.0	45.5	*
Congestive Heart Failure.....	1	0.0	17.6	*	0.0	28.7	*	0.0	37.6	*
Pneumonia/Influenza.....	17	5.9	15.1	*	11.8	20.6	*	11.8	25.0	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	3.0	*	0.0	5.4	*	0.0	7.7	*
Transient Cerebral Ischemia.....	1	0.0	2.8	*	0.0	6.2	*	0.0	9.9	*
Stroke.....	3	0.0	24.6	*	0.0	34.1	*	0.0	39.7	*
Hip Fracture.....	2	0.0	5.8	*	0.0	11.8	*	0.0	16.2	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN HOSPITAL

Tuba City, AZ 86045

Medicare Provider Number: 030073

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	227	8.8	10.8	2.5	13.2	16.7	3.3	18.5	21.3	3.2
CONDITIONS:										
Acute Myocardial Infarction.....	8	50.0	25.9	*	62.5	28.9	*	62.5	32.7	*
Congestive Heart Failure.....	9	22.2	20.9	*	22.2	30.9	*	22.2	39.4	*
Pneumonia/Influenza.....	22	9.1	15.4	*	9.1	22.2	*	9.1	26.7	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	2.7	*	0.0	5.3	*	0.0	7.8	*
Transient Cerebral Ischemia.....	2	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke.....	6	16.7	13.9	*	16.7	20.7	*	33.3	25.0	*
Hip Fracture.....	2	0.0	7.7	*	0.0	16.4	*	0.0	23.2	*
Sepsis.....	5	20.0	14.2	*	40.0	18.6	*	40.0	22.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	18	5.6	3.2	*	5.6	6.5	*	5.6	9.5	*
Hysterectomy.....	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 85
 Occupancy Rate..... 55
 Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 29
 Percent of Physicians Board Certified Specialists..... 86
 Medical Residents/Interns..... 0
 Registered Nurses..... 73
 Licensed Practical Nurses..... 30

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

PHS INDIAN HOSPITAL
Medicare Provider Number: 030073

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	259	6.6	8.7	2.0	9.3	13.9	2.6	10.8	17.9	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	5	20.0	32.2	*	20.0	35.6	*	20.0	39.3	*
Congestive Heart Failure.....	11	0.0	19.2	*	18.2	29.6	*	18.2	37.2	*
Pneumonia/Influenza.....	18	11.1	15.6	*	11.1	21.6	*	11.1	25.9	*
Chronic Obstructive Pulmonary Disease.....	6	0.0	12.0	*	16.7	20.7	*	16.7	28.4	*
Transient Cerebral Ischemia.....	1	0.0	2.0	*	0.0	4.0	*	0.0	6.2	*
Stroke.....	6	16.7	20.9	*	16.7	29.1	*	16.7	34.2	*
Hip Fracture.....	1	0.0	10.9	*	0.0	22.7	*	0.0	31.9	*
Sepsis.....	3	0.0	27.0	*	0.0	37.0	*	0.0	42.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	4.4	*	0.0	7.7	*	0.0	10.8	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	10.1	*	0.0	21.7	*	0.0	30.8	*
Open Reduction of Hip Fracture.....	1	0.0	9.5	*	0.0	20.5	*	0.0	29.6	*
Prostatectomy.....	3	0.0	0.6	*	0.0	1.5	*	0.0	2.7	*
Cholecystectomy.....	19	5.3	4.2	*	5.3	7.5	*	5.3	9.7	*
Hysterectomy.....	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	285	6.7	9.7	2.3	10.9	14.5	3.1	13.0	18.2	3.4
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	26.0	*	33.3	32.5	*	33.3	37.6	*
Congestive Heart Failure.....	7	0.0	13.7	*	0.0	20.6	*	0.0	26.7	*
Pneumonia/Influenza.....	35	5.7	18.5	*	8.6	25.4	*	8.6	30.3	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	11.7	*	0.0	26.5	*	0.0	39.4	*
Transient Cerebral Ischemia.....	2	0.0	1.8	*	0.0	4.2	*	0.0	6.7	*
Stroke.....	7	14.3	22.4	*	14.3	29.8	*	14.3	34.9	*
Hip Fracture.....	1	0.0	4.2	*	100.0	7.1	*	100.0	9.5	*
Sepsis.....	5	40.0	36.7	*	40.0	43.8	*	40.0	49.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	6	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy.....	11	0.0	1.6	*	0.0	2.8	*	0.0	3.7	*
Hysterectomy.....	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN HOSPITAL

P O Box 548
Sells, AZ 85634

Medicare Provider Number: 030074

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	48	10.4	9.3	*	14.6	14.4	*	16.7	18.5	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	1	0.0	15.3	*	0.0	29.4	*	0.0	41.4	*
Pneumonia/Influenza.....	11	18.2	14.7	*	18.2	20.3	*	18.2	24.6	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	5.8	*	0.0	11.9	*	0.0	18.0	*
Transient Cerebral Ischemia.....	0									
Stroke.....	2	0.0	20.3	*	0.0	25.9	*	0.0	30.4	*
Hip Fracture.....	1	0.0	4.5	*	0.0	7.9	*	0.0	10.2	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 37
Occupancy Rate..... 51
Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 12
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... 0
Registered Nurses..... 37
Licensed Practical Nurses..... 12

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

PHS INDIAN HOSPITAL
Medicare Provider Number: 030074

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	57	10.5	7.4	3.9	14.0	12.7	4.5	17.5	17.2	5.0
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	2	0.0	8.6	*	50.0	13.9	*	100.0	18.8	*
Pneumonia/Influenza.....	7	0.0	13.3	*	0.0	17.7	*	0.0	21.7	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	1	0.0	5.0	*	0.0	11.0	*	0.0	15.8	*
Sepsis.....	1	0.0	14.0	*	0.0	19.4	*	0.0	24.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	50	6.0	7.5	*	8.0	12.8	*	12.0	17.6	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	24.8	*	0.0	27.8	*	0.0	31.9	*
Congestive Heart Failure.....	2	0.0	17.2	*	50.0	26.0	*	50.0	33.2	*
Pneumonia/Influenza.....	2	50.0	15.0	*	50.0	19.9	*	50.0	24.3	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	4.3	*	0.0	8.8	*	0.0	13.1	*
Transient Cerebral Ischemia.....	2	0.0	1.4	*	0.0	3.1	*	0.0	4.9	*
Stroke.....	1	0.0	23.8	*	0.0	32.6	*	0.0	39.0	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN HOSPITAL

White River, AZ 85941

Medicare Provider Number: 030075

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	106	1.9	6.3	3.4	7.5	10.4	4.7	8.5	13.9	5.4
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	22.7	*	0.0	25.8	*	0.0	30.2	*
Congestive Heart Failure.....	4	0.0	23.1	*	0.0	38.1	*	0.0	47.2	*
Pneumonia/Influenza.....	16	0.0	9.5	*	0.0	13.9	*	0.0	17.4	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	1	0.0	2.7	*	0.0	4.9	*	0.0	6.6	*
Sepsis.....	2	50.0	12.7	*	50.0	21.9	*	50.0	28.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - (Year of Survey: Unknown)		SPECIALTY SERVICES:	
Total Beds.....	(Not Available)	Burn Unit.....	(Not Available)
Ownership/Control.....	(Not Available)	Coronary Care Unit.....	(Not Available)
STAFFING:		Hospice.....	(Not Available)
Medical Residents/Interns.....	(Not Available)	Intensive Care Unit.....	(Not Available)
Registered Nurses.....	(Not Available)	Organ Transplant.....	(Not Available)
Licensed Practical Nurses.....	(Not Available)	Rehabilitation.....	(Not Available)
		Shock Trauma.....	(Not Available)

** Not used in calculating hospital mortality rates.

PHS INDIAN HOSPITAL
Medicare Provider Number: 030075

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	85	2.4	6.7	3.8	4.7	11.4	5.0	8.2	15.4	5.7
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	4	25.0	11.5	*	25.0	17.7	*	25.0	23.2	*
Pneumonia/Influenza.....	19	0.0	12.1	*	0.0	17.3	*	0.0	21.3	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	11.2	*	0.0	24.4	*	50.0	35.4	*
Transient Cerebral Ischemia.....	2	0.0	1.1	*	0.0	2.3	*	0.0	3.5	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	71	2.8	6.7	3.4	7.0	11.4	4.9	7.0	15.1	5.7
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	33.3	23.1	*	33.3	36.4	*	33.3	44.9	*
Pneumonia/Influenza.....	12	0.0	11.6	*	0.0	17.4	*	0.0	21.8	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	2.4	*	0.0	4.5	*	0.0	7.4	*
Transient Cerebral Ischemia.....	1	0.0	1.1	*	0.0	2.3	*	0.0	3.6	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	2	0.0	7.2	*	0.0	9.6	*	0.0	12.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN HOSPITAL

Sacaton, AZ 85247

Medicare Provider Number: 030076

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	35	2.9	4.7	*	8.6	8.6	*	11.4	12.4	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	2	0.0	19.2	*	0.0	27.1	*	0.0	33.2	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	2	0.0	1.1	*	0.0	2.5	*	0.0	4.0	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989		SPECIALTY SERVICES:	
Total Beds.....	20	Burn Unit.....	No
Occupancy Rate.....	55	Cardiac Intensive Care.....	No
Ownership/Control.....	Federal Government	Comprehensive Geriatric.....	No
STAFFING: (As of September 30, 1989)		Hospice Care.....	No
Total Number of Physicians.....	11	Medical/Surgical Intensive Care.....	No
Percent of Physicians Board Certified Specialists.....	91	Organ/Tissue Transplant.....	No
Medical Residents/Interns.....	(Not Available)	Other Intensive Care.....	No
Registered Nurses.....	(Not Available)	Rehabilitation Unit.....	No
Licensed Practical Nurses.....	(Not Available)	Trauma Center.....	No

** Not used in calculating hospital mortality rates.

PHS INDIAN HOSPITAL
Medicare Provider Number: 030076

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	44	4.5	7.2	*	6.8	12.6	*	11.4	16.9	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	2	0.0	18.7	*	0.0	33.4	*	50.0	44.0	*
Pneumonia/Influenza.....	3	0.0	10.9	*	0.0	14.6	*	0.0	17.7	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	1	0.0	6.7	*	0.0	13.2	*	0.0	17.7	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	38	13.2	9.7	*	13.2	15.1	*	13.2	18.9	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	1	0.0	25.7	*	0.0	43.5	*	0.0	56.2	*
Pneumonia/Influenza.....	2	50.0	14.7	*	50.0	20.8	*	50.0	25.2	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	11.5	*	0.0	15.0	*	0.0	18.3	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN HOSPITAL

San Carlos, AZ 85550

Medicare Provider Number: 030077

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	15	0.0	9.4	*	0.0	15.6	*	0.0	20.6	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	2	0.0	17.3	*	0.0	30.8	*	0.0	41.6	*
Pneumonia/Influenza.....	5	0.0	9.4	*	0.0	12.9	*	0.0	16.2	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 28
 Occupancy Rate..... 21
 Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
 Percent of Physicians Board Certified Specialists..... (Not Available)
 Medical Residents/Interns..... (Not Available)
 Registered Nurses..... (Not Available)
 Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

PHS INDIAN HOSPITAL
Medicare Provider Number: 030077

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	37	2.7	10.2	*	8.1	15.5	*	13.5	20.0	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	46.7	*	0.0	49.7	*	0.0	54.0	*
Congestive Heart Failure.....	2	0.0	9.0	*	0.0	14.8	*	50.0	20.3	*
Pneumonia/Influenza.....	5	0.0	14.6	*	20.0	21.3	*	20.0	26.5	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	3.4	*	0.0	7.3	*	0.0	10.6	*
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	36.5	*	0.0	48.5	*	0.0	56.2	*
Hip Fracture.....	0									
Sepsis.....	1	100.0	57.1	*	100.0	66.9	*	100.0	70.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	26	0.0	6.1	*	7.7	10.4	*	7.7	13.9	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	1	0.0	9.7	*	0.0	15.1	*	0.0	20.1	*
Pneumonia/Influenza.....	2	0.0	7.7	*	0.0	10.8	*	0.0	13.4	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	11.1	*	0.0	21.0	*	0.0	28.2	*
Transient Cerebral Ischemia.....	1	0.0	1.6	*	0.0	3.5	*	0.0	5.7	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PHS INDIAN MEDICAL CENTER

4212 N 16th Street
Phoenix, AZ 85016

Medicare Provider Number: 030078

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	248	4.8	7.0	2.3	8.5	11.2	2.6	11.3	14.4	2.7
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	27.6	*	0.0	32.4	*	0.0	37.1	*
Congestive Heart Failure.....	4	0.0	13.0	*	0.0	20.7	*	0.0	27.4	*
Pneumonia/Influenza.....	9	11.1	16.9	*	22.2	24.0	*	22.2	29.7	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	5.4	*	0.0	9.2	*	33.3	13.2	*
Transient Cerebral Ischemia.....	1	0.0	1.9	*	0.0	4.4	*	0.0	7.3	*
Stroke.....	2	0.0	23.8	*	0.0	28.7	*	0.0	32.6	*
Hip Fracture.....	0									
Sepsis.....	2	0.0	22.2	*	0.0	27.3	*	0.0	32.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	4	0.0	0.6	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy.....	7	0.0	2.6	*	0.0	4.3	*	0.0	5.3	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 147
Occupancy Rate..... 81
Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 54
Percent of Physicians Board Certified Specialists..... 70
Medical Residents/Interns..... 4
Registered Nurses..... 108
Licensed Practical Nurses..... 50

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

PHS INDIAN MEDICAL CENTER

Medicare Provider Number: 030078

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	243	4.1	5.5	2.1	6.6	9.3	3.0	10.3	12.6	3.6
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	32.9	*	0.0	37.8	*	0.0	42.4	*
Congestive Heart Failure.....	7	0.0	10.9	*	28.6	17.9	*	42.9	24.0	*
Pneumonia/Influenza.....	6	0.0	18.3	*	0.0	24.0	*	0.0	28.6	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	7.8	*	33.3	13.1	*	33.3	17.9	*
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	27.9	*	0.0	36.5	*	0.0	42.5	*
Hip Fracture.....	1	0.0	11.7	*	0.0	22.9	*	0.0	31.2	*
Sepsis.....	1	0.0	51.5	*	0.0	77.5	*	0.0	87.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	6	0.0	1.2	*	0.0	3.2	*	0.0	5.9	*
Cholecystectomy.....	8	0.0	3.7	*	0.0	7.9	*	12.5	11.2	*
Hysterectomy.....	2	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	174	7.5	6.7	2.0	9.8	10.8	3.0	14.4	14.0	3.0
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	8	12.5	11.9	*	12.5	18.2	*	25.0	23.9	*
Pneumonia/Influenza.....	5	20.0	13.5	*	20.0	18.5	*	20.0	22.7	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	5.8	*	0.0	10.4	*	0.0	14.4	*
Transient Cerebral Ischemia.....	0									
Stroke.....	3	33.3	24.5	*	33.3	31.0	*	33.3	35.8	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	16.6	*	0.0	21.4	*	0.0	26.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*
Cholecystectomy.....	1	0.0	1.6	*	0.0	3.4	*	0.0	4.9	*
Hysterectomy.....	1	0.0	0.6	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PINAL GENERAL HOSPITAL

2010 Central Ave
Florence, AZ 85232

Medicare Provider Number: 030049

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	189	10.1	7.4	2.3	16.4	11.5	3.4	18.5	15.0	3.3
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	13	38.5	14.1	*	61.5	22.5	*	61.5	29.3	*
Pneumonia/Influenza.....	11	18.2	15.0	*	18.2	20.6	*	18.2	25.4	*
Chronic Obstructive Pulmonary Disease.....	7	14.3	4.0	*	14.3	7.8	*	14.3	11.6	*
Transient Cerebral Ischemia.....	6	16.7	1.6	*	16.7	3.6	*	16.7	5.9	*
Stroke.....	2	0.0	33.7	*	50.0	39.8	*	50.0	44.9	*
Hip Fracture.....	4	0.0	4.6	*	0.0	8.2	*	0.0	10.8	*
Sepsis.....	4	0.0	29.9	*	0.0	36.0	*	25.0	43.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	3.8	*	0.0	7.4	*	0.0	10.1	*
Open Reduction of Hip Fracture.....	1	0.0	3.5	*	0.0	6.9	*	0.0	9.6	*
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	2.4	*	0.0	4.6	*	0.0	5.9	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS ****SOURCE:** Health Care Financing Administration (OSCAR) - 1986

Total Beds..... 91
Ownership/Control..... Local Government

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 35
Licensed Practical Nurses..... 15

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... No
Hospice..... No
Intensive Care Unit..... No
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

PINAL GENERAL HOSPITAL

Medicare Provider Number: 030049

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	249	9.6	7.6	2.2	12.9	11.5	3.2	19.3	14.7	3.8
CONDITIONS:										
Acute Myocardial Infarction.....	4	25.0	30.0	*	25.0	32.9	*	25.0	36.8	*
Congestive Heart Failure.....	13	7.7	12.7	*	15.4	19.3	*	23.1	25.0	*
Pneumonia/Influenza.....	25	32.0	17.4	*	36.0	23.1	*	40.0	27.5	*
Chronic Obstructive Pulmonary Disease.....	6	0.0	12.5	*	0.0	19.2	*	0.0	24.8	*
Transient Cerebral Ischemia.....	3	0.0	1.6	*	0.0	3.2	*	0.0	5.0	*
Stroke.....	9	33.3	23.8	*	44.4	30.5	*	44.4	35.7	*
Hip Fracture.....	4	0.0	6.0	*	0.0	10.8	*	0.0	13.9	*
Sepsis.....	0									
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	6.7	*	0.0	11.8	*	0.0	14.7	*
Open Reduction of Hip Fracture.....	1	0.0	3.1	*	0.0	6.1	*	0.0	8.3	*
Prostatectomy.....	2	0.0	2.0	*	0.0	5.5	*	0.0	9.9	*
Cholecystectomy.....	2	50.0	3.3	*	50.0	5.8	*	50.0	7.0	*
Hysterectomy.....	2	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	240	7.1	8.1	2.5	11.7	12.7	2.3	17.5	16.3	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	6	0.0	26.3	*	50.0	37.9	*	50.0	45.9	*
Pneumonia/Influenza.....	11	36.4	17.0	*	36.4	22.9	*	54.5	27.8	*
Chronic Obstructive Pulmonary Disease.....	5	0.0	9.1	*	20.0	18.9	*	20.0	27.6	*
Transient Cerebral Ischemia.....	4	25.0	3.1	*	25.0	7.1	*	25.0	11.6	*
Stroke.....	10	10.0	20.7	*	20.0	27.1	*	20.0	31.8	*
Hip Fracture.....	4	25.0	5.9	*	25.0	10.0	*	25.0	12.8	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	3.1	*	0.0	5.7	*	0.0	7.6	*
Open Reduction of Hip Fracture.....	2	0.0	5.4	*	0.0	10.4	*	0.0	13.8	*
Prostatectomy.....	3	0.0	1.4	*	0.0	3.5	*	0.0	6.2	*
Cholecystectomy.....	2	0.0	1.9	*	0.0	3.4	*	0.0	4.4	*
Hysterectomy.....	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SAGE MEMORIAL HOSPITAL

Ganado Mission P O Box 457

Ganado, AZ 86505

Medicare Provider Number: 030004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	103	8.7	10.7	3.8	10.7	15.8	4.8	11.7	20.0	5.8
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	33.6	*	0.0	41.0	*	0.0	47.3	*
Congestive Heart Failure.....	4	0.0	13.0	*	0.0	19.8	*	25.0	25.7	*
Pneumonia/Influenza.....	23	21.7	16.7	*	21.7	22.9	*	21.7	27.6	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	2	0.0	2.2	*	0.0	5.2	*	0.0	8.6	*
Stroke.....	3	0.0	21.0	*	0.0	27.3	*	0.0	32.1	*
Hip Fracture.....	1	100.0	22.1	*	100.0	35.7	*	100.0	43.5	*
Sepsis.....	1	0.0	18.2	*	0.0	24.5	*	0.0	29.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 38
 Occupancy Rate..... 26
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 7
 Percent of Physicians Board Certified Specialists..... 100
 Medical Residents/Interns..... (Not Available)
 Registered Nurses..... (Not Available)
 Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

SAGE MEMORIAL HOSPITAL

Medicare Provider Number: 030004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	108	3.7	9.1	4.2	9.3	14.3	4.8	13.0	18.7	5.1
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	42.2	*	0.0	47.0	*	0.0	53.1	*
Congestive Heart Failure.....	3	0.0	13.3	*	0.0	22.0	*	0.0	29.0	*
Pneumonia/Influenza.....	15	6.7	16.5	*	13.3	22.6	*	20.0	27.2	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	6.0	*	0.0	11.5	*	0.0	16.4	*
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	31.1	*	0.0	41.2	*	0.0	48.4	*
Hip Fracture.....	2	0.0	5.7	*	0.0	11.5	*	0.0	15.8	*
Sepsis.....	3	0.0	18.3	*	0.0	25.1	*	0.0	30.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	107	5.6	8.9	3.4	7.5	13.8	4.7	9.3	18.1	5.8
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	20.4	*	0.0	23.3	*	0.0	26.6	*
Congestive Heart Failure.....	4	0.0	15.0	*	0.0	22.8	*	0.0	29.2	*
Pneumonia/Influenza.....	21	4.8	15.3	*	4.8	20.6	*	4.8	25.1	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	7.3	*	0.0	13.0	*	0.0	17.7	*
Transient Cerebral Ischemia.....	0									
Stroke.....	3	0.0	21.8	*	0.0	25.9	*	0.0	29.7	*
Hip Fracture.....	1	0.0	6.9	*	0.0	12.4	*	0.0	16.3	*
Sepsis.....	1	0.0	31.8	*	0.0	37.1	*	0.0	43.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SCOTTSDALE COMMUNITY HOSPITAL

8435 East McDowell Road
Scottsdale, AZ 85257

Medicare Provider Number: 030063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	28	10.7	8.1	*	17.9	12.3	*	25.0	15.4	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	0.0	12.2	*	33.3	19.0	*	33.3	25.0	*
Pneumonia/Influenza.....	3	33.3	15.4	*	33.3	21.2	*	66.7	26.0	*
Chronic Obstructive Pulmonary Disease.....	1	100.0	4.9	*	100.0	9.3	*	100.0	13.5	*
Transient Cerebral Ischemia.....	2	0.0	1.6	*	0.0	3.4	*	0.0	5.5	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*
Cholecystectomy.....	1	0.0	1.6	*	0.0	2.3	*	0.0	3.2	*
Hysterectomy.....	1	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1986

Total Beds..... 94
Ownership/Control..... Private, For Profit

STAFFING:

Medical Residents/Interns..... 1
Registered Nurses..... 10
Licensed Practical Nurses..... 3

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... No
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

SCOTTSDALE COMMUNITY HOSPITAL

Medicare Provider Number: 030063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	163	6.1	9.4	4.3	10.4	14.1	4.6	15.3	17.9	4.4
CONDITIONS:										
Acute Myocardial Infarction.....	4	25.0	33.1	*	25.0	39.7	*	25.0	45.5	*
Congestive Heart Failure.....	11	9.1	20.8	*	9.1	29.8	*	36.4	36.6	*
Pneumonia/Influenza.....	8	0.0	11.2	*	0.0	15.2	*	0.0	18.7	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	15.5	*	50.0	25.5	*	50.0	33.8	*
Transient Cerebral Ischemia.....	4	0.0	2.0	*	0.0	4.3	*	0.0	6.8	*
Stroke.....	7	14.3	20.4	*	28.6	26.4	*	28.6	30.6	*
Hip Fracture.....	5	20.0	4.6	*	20.0	9.0	*	20.0	12.2	*
Sepsis.....	2	0.0	20.0	*	0.0	24.4	*	0.0	29.7	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	4.4	*	0.0	7.0	*	0.0	9.7	*
Carotid Endarterectomy.....	2	0.0	1.8	*	0.0	3.6	*	0.0	5.5	*
Hip Replacement/Reconstruction.....	4	25.0	2.0	*	25.0	3.7	*	25.0	4.9	*
Open Reduction of Hip Fracture.....	2	0.0	4.0	*	0.0	8.4	*	0.0	11.8	*
Prostatectomy.....	11	0.0	1.0	*	0.0	2.3	*	9.1	3.6	*
Cholecystectomy.....	1	0.0	1.5	*	0.0	2.5	*	0.0	3.3	*
Hysterectomy.....	1	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	145	8.3	8.4	2.3	11.7	12.7	3.2	15.2	16.3	4.3
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	8	0.0	23.7	*	0.0	34.0	*	0.0	41.7	*
Pneumonia/Influenza.....	6	16.7	17.9	*	16.7	24.1	*	16.7	28.7	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	8.9	*	0.0	15.7	*	0.0	21.1	*
Transient Cerebral Ischemia.....	4	0.0	1.8	*	0.0	3.9	*	0.0	6.3	*
Stroke.....	5	0.0	28.4	*	0.0	36.0	*	0.0	41.3	*
Hip Fracture.....	4	25.0	10.9	*	25.0	17.7	*	25.0	21.8	*
Sepsis.....	2	50.0	24.9	*	50.0	32.1	*	50.0	37.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	1	0.0	2.4	*	0.0	5.9	*	0.0	9.2	*
Hip Replacement/Reconstruction.....	3	0.0	8.8	*	0.0	14.7	*	0.0	18.2	*
Open Reduction of Hip Fracture.....	1	0.0	4.9	*	0.0	8.0	*	0.0	10.0	*
Prostatectomy.....	7	0.0	1.9	*	0.0	4.3	*	0.0	6.5	*
Cholecystectomy.....	4	25.0	2.1	*	25.0	3.5	*	25.0	4.3	*
Hysterectomy.....	2	0.0	0.2	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SCOTTSDALE MEMORIAL HOSPITAL

7400 East Osborn Road
Scottsdale, AZ 85251

Medicare Provider Number: 030038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,843	7.7	8.1	0.6	11.6	12.5	0.8	14.1	15.9	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	114	28.9	25.0	6.2	34.2	28.2	7.1	35.1	31.7	6.2
Congestive Heart Failure.....	140	14.3	13.9	4.2	26.4	21.8	7.1	32.9	28.7	7.0
Pneumonia/Influenza.....	131	14.5	14.4	3.1	18.3	19.9	3.9	22.1	24.3	4.9
Chronic Obstructive Pulmonary Disease.....	44	11.4	5.6	*	13.6	9.8	*	18.2	13.9	*
Transient Cerebral Ischemia.....	61	3.3	1.5	2.9	4.9	3.4	3.4	4.9	5.4	4.2
Stroke.....	116	13.8	19.9	7.9	22.4	26.5	8.1	26.7	31.1	8.2
Hip Fracture.....	119	5.9	5.1	2.2	8.4	9.7	2.9	11.8	13.0	3.6
Sepsis.....	28	10.7	23.6	*	17.9	31.4	*	21.4	37.7	*
PROCEDURES:										
Angioplasty.....	70	5.7	3.7	4.1	5.7	5.1	4.9	7.1	6.6	5.1
Coronary Artery Bypass Graft.....	108	6.5	5.5	2.4	6.5	7.9	2.7	6.5	9.5	3.4
Initial Pacemaker Insertion.....	66	4.5	2.8	2.4	4.5	5.4	2.9	4.5	7.9	4.5
Carotid Endarterectomy.....	19	0.0	1.4	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction.....	109	4.6	3.0	2.1	5.5	6.1	2.4	6.4	8.4	3.1
Open Reduction of Hip Fracture.....	54	1.9	4.3	3.7	5.6	8.5	4.6	11.1	11.6	4.4
Prostatectomy.....	129	0.0	1.3	2.2	1.6	3.0	2.6	3.1	5.0	3.0
Cholecystectomy.....	62	0.0	3.3	3.6	6.5	5.9	3.9	8.1	7.7	3.4
Hysterectomy.....	48	0.0	0.9	*	4.2	2.0	*	6.3	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 362
Occupancy Rate..... 62
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 236
Percent of Physicians Board Certified Specialists..... 88
Medical Residents/Interns..... 18
Registered Nurses..... 453
Licensed Practical Nurses..... 32

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

SCOTTSDALE MEMORIAL HOSPITAL

Medicare Provider Number: 030038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,852	7.5	8.2	0.6	11.4	12.6	0.8	14.5	16.1	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	115	26.1	27.5	4.4	30.4	30.4	4.7	31.3	33.7	5.3
Congestive Heart Failure.....	149	11.4	14.4	5.5	20.1	22.1	5.4	28.2	28.7	3.9
Pneumonia/Influenza.....	136	13.2	15.1	3.7	23.5	20.8	5.1	26.5	25.4	4.8
Chronic Obstructive Pulmonary Disease.....	49	4.1	7.7	*	12.2	13.2	*	18.4	17.9	*
Transient Cerebral Ischemia.....	53	1.9	1.9	*	5.7	4.1	*	11.3	6.4	*
Stroke.....	135	17.0	18.4	3.6	23.0	24.8	4.1	31.1	29.4	4.4
Hip Fracture.....	98	5.1	4.8	2.4	9.2	9.2	3.8	10.2	12.3	4.7
Sepsis.....	31	19.4	24.5	*	38.7	33.4	*	38.7	40.3	*
PROCEDURES:										
Angioplasty.....	50	4.0	4.1	*	8.0	5.3	*	8.0	6.5	*
Coronary Artery Bypass Graft.....	108	11.1	6.5	4.3	13.0	8.8	4.3	13.9	10.2	3.9
Initial Pacemaker Insertion.....	65	1.5	3.4	2.5	6.2	6.3	3.1	10.8	9.1	3.9
Carotid Endarterectomy.....	12	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction.....	99	3.0	2.8	3.1	8.1	5.7	3.3	8.1	8.0	3.4
Open Reduction of Hip Fracture.....	56	3.6	4.1	3.0	3.6	8.1	5.7	5.4	11.1	7.5
Prostatectomy.....	100	0.0	1.2	1.5	2.0	2.9	2.2	2.0	4.7	3.3
Cholecystectomy.....	56	3.6	3.5	3.0	8.9	7.0	4.4	12.5	9.5	6.4
Hysterectomy.....	38	0.0	0.7	*	2.6	1.3	*	2.6	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,715	8.0	8.2	0.5	11.9	12.5	0.9	14.4	15.9	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	121	27.3	25.0	4.2	28.9	28.2	4.1	29.8	31.5	4.5
Congestive Heart Failure.....	160	20.6	15.7	3.7	26.2	23.9	3.6	33.7	30.8	3.9
Pneumonia/Influenza.....	106	16.0	13.9	5.5	22.6	19.2	5.7	27.4	23.7	7.5
Chronic Obstructive Pulmonary Disease.....	59	15.3	8.1	5.9	30.5	14.4	8.0	33.9	19.6	7.9
Transient Cerebral Ischemia.....	64	0.0	1.7	2.6	3.1	3.6	2.4	3.1	5.7	3.7
Stroke.....	133	12.8	18.7	5.3	22.6	25.0	5.3	25.6	29.5	4.9
Hip Fracture.....	87	4.6	5.2	2.4	5.7	9.7	4.1	6.9	12.8	5.3
Sepsis.....	25	32.0	25.9	*	36.0	35.0	*	40.0	41.8	*
PROCEDURES:										
Angioplasty.....	31	6.5	5.5	*	6.5	7.0	*	12.9	8.4	*
Coronary Artery Bypass Graft.....	104	7.7	6.7	2.6	10.6	9.2	3.1	11.5	10.7	3.1
Initial Pacemaker Insertion.....	52	1.9	3.0	2.8	7.7	6.2	3.6	13.5	9.2	5.5
Carotid Endarterectomy.....	13	0.0	1.8	*	7.7	3.3	*	15.4	4.8	*
Hip Replacement/Reconstruction.....	103	1.0	2.5	1.8	1.0	4.8	2.7	1.0	6.5	3.6
Open Reduction of Hip Fracture.....	45	4.4	4.4	*	6.7	8.7	*	8.9	11.9	*
Prostatectomy.....	125	0.0	1.2	1.4	0.8	2.7	2.1	2.4	4.4	2.5
Cholecystectomy.....	85	3.5	3.0	3.0	7.1	5.3	2.8	7.1	6.7	2.7
Hysterectomy.....	37	0.0	0.9	*	0.0	1.7	*	0.0	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SCOTTSDALE MEMORIAL HOSPITAL NORTH

10450 North 92nd Street
Scottsdale, AZ 85260

Medicare Provider Number: 030087

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,634	5.9	7.0	0.8	9.5	11.3	1.1	12.7	14.7	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	24	29.2	24.7	*	29.2	28.4	*	33.3	32.2	*
Congestive Heart Failure.....	60	8.3	13.5	5.2	16.7	21.5	6.5	31.7	28.4	6.0
Pneumonia/Influenza.....	36	13.9	13.4	*	19.4	18.7	*	19.4	23.0	*
Chronic Obstructive Pulmonary Disease.....	22	13.6	6.5	*	18.2	11.3	*	22.7	15.6	*
Transient Cerebral Ischemia.....	13	0.0	1.2	*	0.0	2.6	*	0.0	4.1	*
Stroke.....	23	17.4	22.2	*	26.1	28.3	*	30.4	32.5	*
Hip Fracture.....	36	2.8	4.5	*	5.6	8.9	*	5.6	12.2	*
Sepsis.....	11	18.2	18.6	*	18.2	26.2	*	27.3	32.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	12.5	3.0	*	12.5	5.5	*	12.5	7.9	*
Carotid Endarterectomy.....	7	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Hip Replacement/Reconstruction.....	60	0.0	1.8	*	0.0	3.5	*	0.0	5.0	*
Open Reduction of Hip Fracture.....	12	0.0	4.2	*	0.0	8.6	*	0.0	11.9	*
Prostatectomy.....	141	0.7	1.1	0.9	1.4	2.7	1.8	2.1	4.4	3.0
Cholecystectomy.....	44	6.8	3.0	*	6.8	5.7	*	9.1	7.8	*
Hysterectomy.....	42	0.0	1.0	*	0.0	2.1	*	2.4	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989		SPECIALTY SERVICES:	
Total Beds.....	123	Burn Unit.....	No
Occupancy Rate.....	71	Cardiac Intensive Care.....	No
Ownership/Control.....	Private, Non-Profit	Comprehensive Geriatric.....	No
STAFFING: (As of September 30, 1989)		Hospice Care.....	No
Total Number of Physicians.....	627	Medical/Surgical Intensive Care.....	Yes
Percent of Physicians Board Certified Specialists.....	79	Organ/Tissue Transplant.....	No
Medical Residents/Interns.....	0	Other Intensive Care.....	No
Registered Nurses.....	186	Rehabilitation Unit.....	No
Licensed Practical Nurses.....	10	Trauma Center.....	No

** Not used in calculating hospital mortality rates.

SCOTTSDALE MEMORIAL HOSPITAL NORTH

Medicare Provider Number: 030087

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,383	5.9	6.8	0.8	8.3	10.8	1.3	11.9	14.1	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	18	33.3	29.2	*	38.9	33.5	*	38.9	37.6	*
Congestive Heart Failure.....	41	7.3	14.0	*	12.2	21.6	*	26.8	28.0	*
Pneumonia/Influenza.....	32	15.6	13.0	*	15.6	18.1	*	15.6	22.2	*
Chronic Obstructive Pulmonary Disease.....	16	0.0	6.1	*	6.3	10.7	*	12.5	14.7	*
Transient Cerebral Ischemia.....	13	0.0	2.2	*	0.0	5.1	*	0.0	8.1	*
Stroke.....	27	25.9	22.8	*	29.6	30.1	*	44.4	35.3	*
Hip Fracture.....	34	8.8	4.4	*	14.7	8.3	*	14.7	11.0	*
Sepsis.....	18	22.2	22.2	*	27.8	30.0	*	27.8	36.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	3.7	*	0.0	7.0	*	20.0	9.9	*
Carotid Endarterectomy.....	2	0.0	1.5	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction.....	55	3.6	2.1	3.2	5.5	4.0	3.3	5.5	5.4	3.7
Open Reduction of Hip Fracture.....	15	13.3	3.5	*	20.0	6.8	*	20.0	9.2	*
Prostatectomy.....	117	0.0	1.0	1.2	0.0	2.5	2.5	1.7	4.1	3.4
Cholecystectomy.....	19	0.0	2.8	*	0.0	5.4	*	5.3	7.4	*
Hysterectomy.....	33	0.0	1.0	*	0.0	2.1	*	3.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	622	6.8	8.4	1.5	10.8	12.7	1.7	12.9	16.1	2.2
CONDITIONS:										
Acute Myocardial Infarction.....	14	35.7	27.6	*	35.7	30.8	*	42.9	34.3	*
Congestive Heart Failure.....	28	3.6	18.0	*	10.7	27.7	*	21.4	35.4	*
Pneumonia/Influenza.....	23	8.7	12.8	*	13.0	17.7	*	13.0	21.9	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	7.4	*	0.0	12.5	*	0.0	16.8	*
Transient Cerebral Ischemia.....	8	0.0	1.5	*	0.0	3.2	*	0.0	5.0	*
Stroke.....	21	9.5	16.4	*	19.0	21.9	*	19.0	26.2	*
Hip Fracture.....	19	0.0	5.8	*	5.3	10.5	*	5.3	13.7	*
Sepsis.....	4	0.0	21.2	*	25.0	29.2	*	25.0	34.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	4.5	*	0.0	9.3	*	0.0	13.9	*
Carotid Endarterectomy.....	1	0.0	2.2	*	0.0	3.8	*	0.0	5.3	*
Hip Replacement/Reconstruction.....	13	0.0	3.7	*	7.7	6.6	*	7.7	8.5	*
Open Reduction of Hip Fracture.....	8	0.0	5.2	*	0.0	10.3	*	0.0	13.8	*
Prostatectomy.....	26	0.0	1.3	*	3.8	3.1	*	11.5	5.1	*
Cholecystectomy.....	15	0.0	2.1	*	0.0	3.7	*	0.0	4.8	*
Hysterectomy.....	8	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SIERRA VISTA COMMUNITY HOSPITAL

300 El Camino Real
Sierra Vista, AZ 85635

Medicare Provider Number: 030043

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	594	8.6	7.6	1.1	11.1	11.4	1.3	12.6	14.7	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	19	26.3	21.7	*	26.3	25.7	*	26.3	29.4	*
Congestive Heart Failure.....	30	10.0	14.3	*	23.3	22.6	*	30.0	29.3	*
Pneumonia/Influenza.....	28	10.7	14.7	*	14.3	20.4	*	14.3	24.9	*
Chronic Obstructive Pulmonary Disease.....	20	10.0	11.1	*	10.0	17.7	*	10.0	23.2	*
Transient Cerebral Ischemia.....	7	0.0	2.1	*	0.0	5.0	*	14.3	8.2	*
Stroke.....	11	36.4	21.3	*	36.4	27.0	*	36.4	31.4	*
Hip Fracture.....	18	11.1	7.2	*	16.7	12.8	*	22.2	16.5	*
Sepsis.....	10	50.0	27.2	*	50.0	32.7	*	50.0	38.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	15	6.7	3.6	*	13.3	7.7	*	13.3	11.1	*
Open Reduction of Hip Fracture.....	15	13.3	6.1	*	20.0	11.3	*	26.7	14.9	*
Prostatectomy.....	14	0.0	1.0	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy.....	17	0.0	2.8	*	0.0	5.4	*	0.0	7.3	*
Hysterectomy.....	5	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 55
Occupancy Rate..... 44
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 38
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

SIERRA VISTA COMMUNITY HOSPITAL

Medicare Provider Number: 030043

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	604	8.6	8.3	1.2	11.6	12.5	1.5	15.1	15.9	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	19	21.1	21.0	*	21.1	24.1	*	26.3	27.2	*
Congestive Heart Failure.....	35	34.3	16.7	*	42.9	25.4	*	42.9	32.3	*
Pneumonia/Influenza.....	33	27.3	17.5	*	30.3	23.7	*	33.3	28.3	*
Chronic Obstructive Pulmonary Disease.....	11	18.2	7.7	*	27.3	12.6	*	36.4	16.9	*
Transient Cerebral Ischemia.....	15	0.0	1.8	*	0.0	4.1	*	0.0	6.5	*
Stroke.....	16	6.3	19.3	*	12.5	25.5	*	12.5	30.1	*
Hip Fracture.....	16	31.3	7.3	*	31.3	12.5	*	31.3	15.5	*
Sepsis.....	7	28.6	30.2	*	28.6	35.4	*	42.9	40.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	11.1	3.6	*	22.2	7.4	*	33.3	10.7	*
Open Reduction of Hip Fracture.....	11	27.3	7.4	*	27.3	13.2	*	27.3	16.7	*
Prostatectomy.....	23	0.0	0.9	*	0.0	2.1	*	0.0	3.2	*
Cholecystectomy.....	11	0.0	2.1	*	0.0	3.8	*	0.0	5.0	*
Hysterectomy.....	7	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	622	7.6	8.1	1.1	10.6	12.3	1.5	13.5	15.8	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	29	13.8	18.1	*	17.2	21.0	*	17.2	24.2	*
Congestive Heart Failure.....	33	12.1	13.9	*	15.2	21.8	*	24.2	28.5	*
Pneumonia/Influenza.....	24	4.2	13.8	*	4.2	18.5	*	8.3	22.6	*
Chronic Obstructive Pulmonary Disease.....	16	0.0	6.8	*	0.0	11.9	*	6.3	16.1	*
Transient Cerebral Ischemia.....	13	0.0	2.2	*	15.4	4.6	*	23.1	7.0	*
Stroke.....	22	27.3	23.1	*	36.4	30.5	*	36.4	35.7	*
Hip Fracture.....	1	0.0	15.3	*	0.0	25.5	*	100.0	31.2	*
Sepsis.....	7	14.3	18.4	*	28.6	23.4	*	28.6	28.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	2	0.0	2.4	*	0.0	4.5	*	0.0	6.4	*
Hip Replacement/Reconstruction.....	10	0.0	2.9	*	0.0	7.0	*	10.0	10.9	*
Open Reduction of Hip Fracture.....	1	0.0	13.2	*	0.0	23.5	*	100.0	29.3	*
Prostatectomy.....	19	0.0	1.0	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy.....	10	10.0	2.4	*	10.0	4.0	*	10.0	5.1	*
Hysterectomy.....	3	0.0	0.7	*	0.0	1.1	*	0.0	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SOUTHEAST ARIZONA MEDICAL CENTER

Rural Route 1 P.O. Box 30

Douglas, AZ 85607

Medicare Provider Number: 030034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	288	11.8	10.1	2.1	17.4	15.3	2.4	19.4	19.4	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	4	25.0	22.0	*	25.0	28.5	*	25.0	32.9	*
Congestive Heart Failure.....	15	13.3	13.4	*	26.7	21.1	*	26.7	27.9	*
Pneumonia/Influenza.....	38	13.2	15.7	*	23.7	21.7	*	26.3	26.4	*
Chronic Obstructive Pulmonary Disease.....	6	0.0	3.1	*	0.0	6.6	*	0.0	9.9	*
Transient Cerebral Ischemia.....	1	0.0	1.7	*	0.0	4.6	*	100.0	8.1	*
Stroke.....	9	22.2	21.7	*	44.4	28.6	*	44.4	33.5	*
Hip Fracture.....	9	11.1	8.0	*	11.1	15.4	*	22.2	20.6	*
Sepsis.....	8	12.5	23.1	*	25.0	31.8	*	25.0	39.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	5	0.0	9.2	*	0.0	18.2	*	20.0	24.1	*
Open Reduction of Hip Fracture.....	4	25.0	4.3	*	25.0	8.7	*	25.0	12.1	*
Prostatectomy.....	0									
Cholecystectomy.....	11	0.0	1.1	*	0.0	1.8	*	0.0	2.3	*
Hysterectomy.....	4	0.0	1.4	*	0.0	2.5	*	0.0	3.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 75
 Occupancy Rate..... 65
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 12
 Percent of Physicians Board Certified Specialists..... 92
 Medical Residents/Interns..... 0
 Registered Nurses..... 28
 Licensed Practical Nurses..... 5

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... Yes
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

SOUTHEAST ARIZONA MEDICAL CENTER

Medicare Provider Number: 030034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	222	12.6	9.6	3.6	16.7	14.4	4.1	19.8	18.0	4.3
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	28.2	*	33.3	31.0	*	66.7	34.3	*
Congestive Heart Failure.....	10	10.0	14.8	*	30.0	22.5	*	30.0	29.1	*
Pneumonia/Influenza.....	28	17.9	15.2	*	21.4	20.9	*	28.6	25.4	*
Chronic Obstructive Pulmonary Disease.....	5	20.0	3.0	*	20.0	5.9	*	20.0	8.3	*
Transient Cerebral Ischemia.....	4	0.0	1.5	*	0.0	3.2	*	0.0	4.9	*
Stroke.....	11	36.4	20.1	*	45.5	27.1	*	63.6	32.4	*
Hip Fracture.....	16	25.0	5.8	*	25.0	10.4	*	25.0	13.2	*
Sepsis.....	5	0.0	23.0	*	0.0	26.9	*	0.0	31.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	25.0	3.5	*	25.0	6.8	*	25.0	9.1	*
Open Reduction of Hip Fracture.....	12	25.0	5.7	*	25.0	10.5	*	25.0	13.5	*
Prostatectomy.....	0									
Cholecystectomy.....	16	0.0	2.9	*	0.0	4.7	*	0.0	5.8	*
Hysterectomy.....	7	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	313	10.5	9.9	2.1	17.9	14.4	3.0	20.8	18.3	4.1
CONDITIONS:										
Acute Myocardial Infarction.....	9	22.2	25.8	*	22.2	29.6	*	33.3	33.4	*
Congestive Heart Failure.....	17	11.8	11.8	*	29.4	18.1	*	35.3	23.8	*
Pneumonia/Influenza.....	31	16.1	20.0	*	19.4	27.7	*	25.8	33.5	*
Chronic Obstructive Pulmonary Disease.....	8	0.0	8.3	*	25.0	13.2	*	37.5	17.5	*
Transient Cerebral Ischemia.....	6	0.0	1.6	*	16.7	3.5	*	16.7	5.6	*
Stroke.....	9	55.6	24.9	*	66.7	32.5	*	66.7	38.2	*
Hip Fracture.....	8	0.0	5.8	*	12.5	10.4	*	12.5	13.4	*
Sepsis.....	10	30.0	28.5	*	50.0	35.9	*	50.0	42.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	3.3	*	0.0	6.8	*	0.0	9.4	*
Open Reduction of Hip Fracture.....	3	0.0	8.6	*	33.3	15.1	*	33.3	19.0	*
Prostatectomy.....	7	0.0	1.2	*	0.0	2.9	*	0.0	5.0	*
Cholecystectomy.....	15	6.7	3.1	*	6.7	5.1	*	6.7	6.3	*
Hysterectomy.....	3	0.0	1.9	*	33.3	3.9	*	33.3	6.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST JOSEPH'S HOSPITAL MEDICAL CENTER

350 West Thomas Road
Phoenix, AZ 85013

Medicare Provider Number: 030024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,072	7.7	8.3	0.6	12.6	13.1	0.8	16.1	16.8	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	81	33.3	24.9	6.8	37.0	28.1	6.4	38.3	31.5	6.0
Congestive Heart Failure.....	123	17.9	14.1	5.2	24.4	22.1	4.7	32.5	28.9	5.0
Pneumonia/Influenza.....	90	10.0	12.5	5.1	10.0	17.4	7.1	14.4	21.6	8.1
Chronic Obstructive Pulmonary Disease.....	67	3.0	7.1	5.6	7.5	12.7	7.3	14.9	17.6	6.2
Transient Cerebral Ischemia.....	52	1.9	1.5	1.9	1.9	3.4	3.0	3.8	5.6	4.2
Stroke.....	160	21.2	19.3	3.8	26.9	25.3	3.6	28.1	29.6	3.7
Hip Fracture.....	90	8.9	5.3	3.0	13.3	9.9	5.4	21.1	13.3	6.3
Sepsis.....	28	32.1	27.0	*	42.9	36.9	*	50.0	44.1	*
PROCEDURES:										
Angioplasty.....	8	0.0	3.2	*	0.0	4.0	*	0.0	5.2	*
Coronary Artery Bypass Graft.....	68	8.8	5.7	4.1	8.8	8.0	5.3	11.8	9.6	4.4
Initial Pacemaker Insertion.....	38	5.3	3.6	*	7.9	7.0	*	13.2	10.2	*
Carotid Endarterectomy.....	39	2.6	1.4	*	5.1	2.6	*	5.1	3.9	*
Hip Replacement/Reconstruction.....	73	2.7	3.4	2.2	6.8	7.1	3.4	9.6	10.2	4.6
Open Reduction of Hip Fracture.....	36	5.6	4.4	*	11.1	8.8	*	22.2	12.1	*
Prostatectomy.....	136	0.7	1.2	1.0	2.9	2.9	1.9	3.7	5.0	2.4
Cholecystectomy.....	71	1.4	2.5	2.2	7.0	4.5	2.9	8.5	6.1	3.8
Hysterectomy.....	55	5.5	0.9	2.2	5.5	1.9	2.8	5.5	2.6	3.2

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 611
Occupancy Rate..... 77
Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 526
Percent of Physicians Board Certified Specialists..... 86
Medical Residents/Interns..... 115
Registered Nurses..... 979
Licensed Practical Nurses..... 155

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

ST JOSEPH'S HOSPITAL MEDICAL CENTER

Medicare Provider Number: 030024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,155	7.7	8.3	0.5	12.0	13.1	0.7	15.1	16.8	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	82	26.8	23.3	5.5	28.0	26.6	5.1	30.5	30.0	5.1
Congestive Heart Failure.....	146	16.4	14.6	3.3	24.7	22.4	4.6	30.1	29.0	4.0
Pneumonia/Influenza.....	113	12.4	14.7	5.3	18.6	20.2	5.0	23.0	24.6	4.5
Chronic Obstructive Pulmonary Disease.....	69	8.7	9.5	5.1	14.5	16.6	5.4	21.7	22.7	5.1
Transient Cerebral Ischemia.....	51	3.9	1.5	*	3.9	3.4	*	3.9	5.3	*
Stroke.....	166	15.7	20.2	5.0	24.1	26.6	5.3	27.7	31.2	5.5
Hip Fracture.....	85	11.8	5.3	4.5	17.6	9.9	5.2	21.2	13.1	5.4
Sepsis.....	24	29.2	25.9	*	41.7	34.0	*	41.7	40.6	*
PROCEDURES:										
Angioplasty.....	12	0.0	4.2	*	0.0	5.1	*	0.0	6.1	*
Coronary Artery Bypass Graft.....	70	8.6	5.6	3.1	11.4	7.4	4.0	11.4	8.5	3.7
Initial Pacemaker Insertion.....	33	3.0	5.0	*	3.0	8.5	*	6.1	11.6	*
Carotid Endarterectomy.....	62	3.2	1.7	3.0	4.8	3.3	3.3	4.8	4.8	4.2
Hip Replacement/Reconstruction.....	67	4.5	3.1	3.0	9.0	6.1	5.0	11.9	8.6	5.9
Open Reduction of Hip Fracture.....	43	7.0	4.4	*	7.0	8.6	*	14.0	11.7	*
Prostatectomy.....	119	1.7	1.5	1.7	4.2	3.3	2.2	5.9	5.3	2.3
Cholecystectomy.....	70	7.1	4.0	3.5	8.6	7.3	4.0	11.4	9.5	4.9
Hysterectomy.....	56	0.0	1.7	2.7	1.8	2.9	3.2	1.8	3.8	4.5

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,443	6.8	8.0	0.5	10.9	12.9	0.7	14.5	16.5	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	92	33.7	27.4	6.7	40.2	31.2	6.9	43.5	34.9	7.2
Congestive Heart Failure.....	135	7.4	15.9	4.6	17.8	23.8	4.6	25.9	30.5	4.6
Pneumonia/Influenza.....	103	10.7	14.2	4.1	17.5	19.8	5.4	20.4	24.3	4.8
Chronic Obstructive Pulmonary Disease.....	84	10.7	9.2	3.9	16.7	15.9	4.2	21.4	21.1	4.8
Transient Cerebral Ischemia.....	73	2.7	1.7	2.1	6.8	3.5	4.1	8.2	5.5	5.2
Stroke.....	169	14.8	17.9	5.6	18.9	24.6	6.9	25.4	29.1	5.7
Hip Fracture.....	94	5.3	4.5	2.2	7.4	8.7	3.4	9.6	11.7	4.8
Sepsis.....	22	27.3	28.8	*	36.4	37.1	*	45.5	43.9	*
PROCEDURES:										
Angioplasty.....	24	4.2	2.9	*	4.2	3.6	*	4.2	4.6	*
Coronary Artery Bypass Graft.....	140	7.9	5.8	2.6	9.3	7.8	3.3	11.4	9.0	4.2
Initial Pacemaker Insertion.....	37	2.7	4.3	*	8.1	7.8	*	8.1	10.9	*
Carotid Endarterectomy.....	40	2.5	1.7	*	2.5	3.4	*	2.5	5.0	*
Hip Replacement/Reconstruction.....	82	3.7	3.8	2.1	4.9	7.6	3.6	9.8	10.6	4.3
Open Reduction of Hip Fracture.....	47	4.3	4.1	*	6.4	8.1	*	8.5	11.2	*
Prostatectomy.....	147	2.0	1.2	1.0	2.7	2.9	1.5	4.8	4.9	1.8
Cholecystectomy.....	72	0.0	3.6	4.0	1.4	6.6	5.4	4.2	8.7	5.0
Hysterectomy.....	57	3.5	1.5	2.1	5.3	3.2	3.0	5.3	4.8	4.0

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST JOSEPHS HOSPITAL & HEALTH CENTER

350 North Wilmot Rd

Tucson, AZ 85711

Medicare Provider Number: 030011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,887	8.7	7.9	0.7	12.7	12.3	0.7	15.5	15.9	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	114	20.2	23.9	5.9	22.8	27.2	6.9	25.4	30.7	7.5
Congestive Heart Failure.....	106	17.0	15.3	5.5	25.5	23.8	4.6	30.2	30.7	4.8
Pneumonia/Influenza.....	89	9.0	14.6	5.7	18.0	20.0	5.2	21.3	24.4	5.1
Chronic Obstructive Pulmonary Disease.....	37	24.3	6.3	*	27.0	11.6	*	37.8	16.3	*
Transient Cerebral Ischemia.....	36	2.8	1.8	*	8.3	3.9	*	8.3	6.3	*
Stroke.....	86	22.1	17.5	8.1	27.9	24.4	7.1	33.7	29.0	7.4
Hip Fracture.....	83	3.6	4.7	2.4	9.6	8.9	4.8	9.6	12.0	5.5
Sepsis.....	22	22.7	25.7	*	27.3	33.1	*	36.4	39.6	*
PROCEDURES:										
Angioplasty.....	15	6.7	3.9	*	6.7	4.9	*	6.7	6.3	*
Coronary Artery Bypass Graft.....	24	12.5	7.5	*	12.5	10.1	*	12.5	11.4	*
Initial Pacemaker Insertion.....	27	3.7	4.8	*	11.1	7.9	*	11.1	10.8	*
Carotid Endarterectomy.....	12	0.0	1.5	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction.....	44	2.3	3.2	*	13.6	6.1	*	13.6	8.5	*
Open Reduction of Hip Fracture.....	45	2.2	4.6	*	2.2	9.2	*	2.2	12.5	*
Prostatectomy.....	172	1.2	1.0	0.8	2.9	2.4	1.3	4.1	4.0	1.5
Cholecystectomy.....	52	3.8	2.4	2.7	7.7	4.5	5.2	9.6	6.1	7.9
Hysterectomy.....	39	0.0	1.2	*	2.6	2.5	*	5.1	3.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 284
 Occupancy Rate..... 56
 Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 539
 Percent of Physicians Board Certified Specialists..... 75
 Medical Residents/Interns..... 0
 Registered Nurses..... 190
 Licensed Practical Nurses..... 27

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... Yes
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... Yes
 Other Intensive Care..... No
 Rehabilitation Unit..... Yes
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

ST JOSEPHS HOSPITAL & HEALTH CENTER

Medicare Provider Number: 030011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,648	9.0	8.1	0.9	12.7	12.5	0.7	15.8	15.9	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	102	22.5	23.2	4.2	27.5	26.4	4.4	31.4	29.8	5.2
Congestive Heart Failure.....	91	18.7	15.6	4.7	24.2	23.7	6.2	36.3	30.5	8.5
Pneumonia/Influenza.....	83	18.1	15.7	4.7	25.3	21.5	5.6	28.9	25.9	5.5
Chronic Obstructive Pulmonary Disease.....	46	17.4	7.2	*	19.6	12.7	*	21.7	17.5	*
Transient Cerebral Ischemia.....	30	3.3	2.1	*	6.7	4.7	*	6.7	7.5	*
Stroke.....	107	23.4	18.5	6.0	29.0	25.3	5.1	31.8	29.8	4.8
Hip Fracture.....	68	2.9	4.5	2.7	4.4	8.6	4.7	4.4	11.6	5.9
Sepsis.....	19	47.4	27.0	*	57.9	35.4	*	57.9	42.0	*
PROCEDURES:										
Angioplasty.....	20	5.0	5.3	*	10.0	6.2	*	10.0	7.2	*
Coronary Artery Bypass Graft.....	20	10.0	7.9	*	10.0	10.5	*	10.0	11.8	*
Initial Pacemaker Insertion.....	24	12.5	9.7	*	16.7	14.8	*	16.7	18.9	*
Carotid Endarterectomy.....	9	0.0	1.9	*	0.0	3.6	*	0.0	5.4	*
Hip Replacement/Reconstruction.....	46	0.0	2.7	*	2.2	5.7	*	2.2	8.0	*
Open Reduction of Hip Fracture.....	33	6.1	4.2	*	6.1	8.4	*	6.1	11.4	*
Prostatectomy.....	115	1.7	1.2	1.1	2.6	2.9	1.6	4.3	4.6	2.0
Cholecystectomy.....	52	0.0	2.8	*	0.0	4.8	*	0.0	6.0	*
Hysterectomy.....	25	0.0	1.1	*	0.0	2.4	*	0.0	3.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,742	8.0	8.1	0.6	13.0	12.5	1.0	15.4	15.9	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	85	29.4	25.2	7.0	34.1	28.6	6.7	36.5	32.0	6.8
Congestive Heart Failure.....	111	9.0	15.7	6.0	18.0	23.6	6.4	24.3	30.4	6.3
Pneumonia/Influenza.....	81	22.2	15.2	6.7	29.6	21.0	6.6	33.3	25.6	7.5
Chronic Obstructive Pulmonary Disease.....	41	14.6	7.4	*	24.4	12.8	*	26.8	17.3	*
Transient Cerebral Ischemia.....	34	2.9	1.8	*	2.9	3.9	*	2.9	6.2	*
Stroke.....	83	15.7	18.7	4.9	24.1	25.7	5.7	24.1	30.2	7.6
Hip Fracture.....	108	7.4	5.6	2.8	11.1	10.5	3.0	14.8	13.9	3.6
Sepsis.....	15	20.0	28.6	*	26.7	36.7	*	33.3	43.1	*
PROCEDURES:										
Angioplasty.....	15	0.0	4.7	*	0.0	5.8	*	0.0	7.2	*
Coronary Artery Bypass Graft.....	25	12.0	6.1	*	16.0	8.3	*	16.0	9.6	*
Initial Pacemaker Insertion.....	19	0.0	4.5	*	0.0	7.5	*	0.0	10.1	*
Carotid Endarterectomy.....	10	0.0	1.8	*	10.0	3.3	*	10.0	4.8	*
Hip Replacement/Reconstruction.....	55	3.6	3.2	2.6	7.3	6.3	3.4	7.3	8.7	4.1
Open Reduction of Hip Fracture.....	52	1.9	5.1	3.8	5.8	9.9	5.6	11.5	13.3	7.0
Prostatectomy.....	100	2.0	1.3	2.0	6.0	3.1	2.5	7.0	5.1	2.6
Cholecystectomy.....	55	5.5	4.0	2.9	7.3	7.5	3.6	9.1	10.0	4.2
Hysterectomy.....	20	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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Carondelet St. Joseph's

January 14, 1991

Medicare Provider Number: 030011

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Carondelet St. Joseph's Hospital has received the Medicare Hospital Mortality information for 1989. After reviewing the information, the following conclusions have been made:

- 1.) The total number of cases in ten of the seventeen conditions/procedures identified were too small to permit satisfactory estimation of the standard deviation. Therefore, the numbers are not statistically significant,
- 2.) all seven of the seventeen conditions/procedures with statistically valid numbers are within one standard deviation and therefore variations are not meaningful in measuring quality,
- 3.) cumulative data over three years shows less variation from the predicted than a single year's data, and
- 4.) there are fewer variations from the predicted at 180 days than at 30 days.

Our Quality Assurance program reviews all deaths for quality issues and develops the appropriate corrective action plans if variations are identified. While we continue to believe that the mortality information may be useful as a guide to hospital performance, any differences among hospital patient populations can only be explained through further study.

Sincerely,

Jane Bakos
Sr. Vice President/Administrator

JB:smg
042

0 North
Wilmot
Road
O. Box
12069
Tucson
Arizona
85732
(602)
96-3211

ST LUKE'S MEDICAL CENTER

1800 East Van Buren

Phoenix, AZ 85006

Medicare Provider Number: 030037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,351	5.3	6.3	0.9	8.4	9.8	1.0	11.3	12.6	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	29	24.1	24.7	*	31.0	28.0	*	31.0	31.3	*
Congestive Heart Failure.....	34	8.8	11.9	*	14.7	18.6	*	17.6	24.6	*
Pneumonia/Influenza.....	21	19.0	13.2	*	23.8	18.3	*	33.3	22.6	*
Chronic Obstructive Pulmonary Disease.....	4	25.0	13.1	*	25.0	25.0	*	50.0	33.6	*
Transient Cerebral Ischemia.....	15	0.0	1.6	*	0.0	3.2	*	6.7	5.0	*
Stroke.....	16	25.0	18.7	*	25.0	25.7	*	37.5	30.6	*
Hip Fracture.....	22	0.0	5.5	*	0.0	10.5	*	4.5	14.2	*
Sepsis.....	5	60.0	25.8	*	60.0	34.0	*	60.0	40.4	*
PROCEDURES:										
Angioplasty.....	41	0.0	2.5	*	2.4	3.2	*	2.4	4.2	*
Coronary Artery Bypass Graft.....	57	8.8	4.8	5.6	12.3	6.7	6.3	15.8	7.9	7.1
Initial Pacemaker Insertion.....	16	0.0	4.1	*	18.8	8.0	*	18.8	11.6	*
Carotid Endarterectomy.....	8	0.0	1.7	*	0.0	3.3	*	0.0	5.0	*
Hip Replacement/Reconstruction.....	111	0.0	1.4	1.7	0.0	2.7	2.7	0.9	3.8	2.7
Open Reduction of Hip Fracture.....	9	0.0	3.3	*	0.0	6.6	*	0.0	9.3	*
Prostatectomy.....	9	0.0	1.1	*	0.0	2.9	*	0.0	5.1	*
Cholecystectomy.....	17	11.8	6.8	*	17.6	12.6	*	29.4	16.4	*
Hysterectomy.....	4	0.0	1.7	*	0.0	4.2	*	0.0	7.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 221
 Occupancy Rate..... (Not Available)
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 203
 Percent of Physicians Board Certified Specialists..... 85
 Medical Residents/Interns..... 0
 Registered Nurses..... 112
 Licensed Practical Nurses..... 3

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... Yes
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

ST LUKE'S MEDICAL CENTER

Medicare Provider Number: 030037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,433	4.7	6.0	0.8	7.0	9.4	1.0	9.9	12.1	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	27	18.5	24.5	*	22.2	28.1	*	29.6	31.7	*
Congestive Heart Failure.....	38	18.4	15.1	*	26.3	23.3	*	34.2	30.1	*
Pneumonia/Influenza.....	34	23.5	13.2	*	23.5	18.4	*	35.3	22.6	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	8.3	*	33.3	13.7	*	33.3	18.5	*
Transient Cerebral Ischemia.....	10	0.0	2.0	*	0.0	4.2	*	0.0	6.4	*
Stroke.....	20	5.0	18.0	*	5.0	24.2	*	15.0	28.5	*
Hip Fracture.....	24	0.0	5.3	*	4.2	9.8	*	8.3	12.8	*
Sepsis.....	6	33.3	25.9	*	33.3	32.4	*	33.3	39.1	*
PROCEDURES:										
Angioplasty.....	41	2.4	4.1	*	2.4	5.8	*	2.4	7.3	*
Coronary Artery Bypass Graft.....	61	8.2	8.0	3.5	14.8	11.6	5.1	16.4	13.7	6.1
Initial Pacemaker Insertion.....	19	5.3	4.5	*	5.3	7.5	*	10.5	10.2	*
Carotid Endarterectomy.....	10	0.0	1.7	*	10.0	3.2	*	10.0	4.7	*
Hip Replacement/Reconstruction.....	103	0.0	1.4	1.7	0.0	2.5	2.6	1.0	3.6	2.7
Open Reduction of Hip Fracture.....	12	0.0	5.5	*	8.3	10.6	*	8.3	13.9	*
Prostatectomy.....	9	0.0	1.5	*	0.0	3.5	*	0.0	5.5	*
Cholecystectomy.....	20	0.0	3.8	*	0.0	7.5	*	0.0	10.3	*
Hysterectomy.....	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,645	4.6	5.8	0.7	7.2	9.1	0.9	8.9	11.8	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	29	24.1	24.7	*	27.6	27.8	*	27.6	31.0	*
Congestive Heart Failure.....	47	14.9	15.3	*	25.5	23.6	*	31.9	30.7	*
Pneumonia/Influenza.....	38	13.2	13.7	*	15.8	19.0	*	18.4	23.4	*
Chronic Obstructive Pulmonary Disease.....	19	10.5	12.5	*	31.6	21.0	*	36.8	26.8	*
Transient Cerebral Ischemia.....	15	0.0	2.0	*	0.0	4.1	*	6.7	6.2	*
Stroke.....	28	17.9	17.8	*	28.6	24.4	*	28.6	29.2	*
Hip Fracture.....	26	11.5	5.1	*	15.4	9.9	*	15.4	13.2	*
Sepsis.....	8	25.0	38.7	*	25.0	49.7	*	37.5	56.3	*
PROCEDURES:										
Angioplasty.....	42	2.4	2.7	*	4.8	4.0	*	4.8	5.2	*
Coronary Artery Bypass Graft.....	68	5.9	7.3	3.9	8.8	10.1	3.8	11.8	11.6	3.9
Initial Pacemaker Insertion.....	21	0.0	3.8	*	0.0	6.6	*	4.8	9.0	*
Carotid Endarterectomy.....	13	7.7	2.1	*	7.7	4.1	*	7.7	6.0	*
Hip Replacement/Reconstruction.....	125	0.0	1.4	1.7	0.8	2.8	2.3	0.8	4.0	3.2
Open Reduction of Hip Fracture.....	9	11.1	4.3	*	11.1	8.4	*	11.1	11.3	*
Prostatectomy.....	11	0.0	1.7	*	0.0	3.8	*	0.0	6.0	*
Cholecystectomy.....	15	0.0	6.4	*	0.0	12.3	*	6.7	16.8	*
Hysterectomy.....	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST MARY'S HOSPITAL HEALTH CENTER

1601 West St. Mary's Rd

Tucson, AZ 85745

Medicare Provider Number: 030010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,292	7.6	8.6	0.6	11.6	13.1	0.7	14.6	16.7	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	166	22.9	25.7	3.6	25.9	29.2	3.9	25.9	32.8	4.5
Congestive Heart Failure.....	159	10.1	15.4	4.1	15.7	23.7	5.3	25.2	30.6	5.0
Pneumonia/Influenza.....	145	12.4	16.2	4.8	16.6	22.0	6.0	22.1	26.5	5.6
Chronic Obstructive Pulmonary Disease.....	66	7.6	6.9	4.0	15.2	11.4	5.4	22.7	15.5	8.2
Transient Cerebral Ischemia.....	42	0.0	1.8	*	0.0	4.1	*	2.4	6.6	*
Stroke.....	138	17.4	18.1	4.1	23.2	24.6	5.2	28.3	29.0	4.0
Hip Fracture.....	100	4.0	7.1	4.3	9.0	12.6	5.3	13.0	16.3	5.2
Sepsis.....	52	17.3	24.6	7.1	23.1	31.6	8.1	25.0	37.3	10.1
PROCEDURES:										
Angioplasty.....	89	10.1	5.2	4.6	11.2	6.3	4.6	11.2	7.7	4.2
Coronary Artery Bypass Graft.....	98	13.3	7.2	3.5	14.3	10.3	3.5	15.3	12.2	3.5
Initial Pacemaker Insertion.....	21	0.0	6.4	*	9.5	11.6	*	9.5	15.8	*
Carotid Endarterectomy.....	7	0.0	1.4	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction.....	86	1.2	3.6	2.9	2.3	6.8	4.5	4.7	9.2	4.4
Open Reduction of Hip Fracture.....	59	3.4	5.9	4.1	8.5	11.0	4.7	13.6	14.4	4.6
Prostatectomy.....	177	0.6	1.4	1.1	1.1	3.0	1.9	2.3	4.8	2.7
Cholecystectomy.....	81	2.5	3.5	2.2	4.9	6.2	2.9	6.2	8.1	3.4
Hysterectomy.....	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 326
 Occupancy Rate..... 77
 Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 227
 Percent of Physicians Board Certified Specialists..... 83
 Medical Residents/Interns..... 0
 Registered Nurses..... 366
 Licensed Practical Nurses..... 32

SPECIALTY SERVICES:

Burn Unit..... Yes
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... Yes
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... Yes
 Other Intensive Care..... No
 Rehabilitation Unit..... Yes
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

ST MARY'S HOSPITAL HEALTH CENTER

Medicare Provider Number: 030010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,077	8.1	9.2	0.5	12.2	13.8	0.7	15.2	17.5	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	168	23.2	27.3	4.8	25.6	30.5	5.1	27.4	34.1	5.7
Congestive Heart Failure.....	149	12.1	16.6	4.2	21.5	25.1	5.1	24.8	32.0	6.4
Pneumonia/Influenza.....	129	14.0	17.2	3.9	21.7	23.3	3.8	24.0	27.9	4.7
Chronic Obstructive Pulmonary Disease.....	39	12.8	7.5	*	17.9	13.4	*	23.1	18.6	*
Transient Cerebral Ischemia.....	29	0.0	2.0	*	3.4	4.4	*	6.9	7.0	*
Stroke.....	143	14.7	21.1	5.0	18.2	27.2	6.0	23.8	31.6	6.0
Hip Fracture.....	93	4.3	7.1	3.9	10.8	12.7	5.6	11.8	16.3	7.7
Sepsis.....	48	18.8	25.8	*	25.0	33.0	*	27.1	39.0	*
PROCEDURES:										
Angioplasty.....	83	4.8	6.0	3.9	4.8	7.1	4.0	6.0	8.4	4.5
Coronary Artery Bypass Graft.....	93	11.8	8.2	5.4	14.0	11.0	5.3	16.1	12.7	5.6
Initial Pacemaker Insertion.....	17	0.0	4.8	*	0.0	8.1	*	0.0	11.4	*
Carotid Endarterectomy.....	3	0.0	1.7	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction.....	80	1.2	2.8	2.2	3.8	5.1	3.1	3.8	6.7	3.9
Open Reduction of Hip Fracture.....	57	7.0	6.6	3.8	14.0	12.2	4.7	15.8	15.8	4.8
Prostatectomy.....	152	0.0	1.9	2.0	3.3	3.7	1.9	4.6	5.6	2.5
Cholecystectomy.....	75	2.7	3.6	3.0	8.0	6.8	3.7	10.7	8.9	4.3
Hysterectomy.....	8	0.0	1.7	*	0.0	3.4	*	0.0	4.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,048	8.9	9.7	0.6	13.4	14.6	0.8	16.7	18.5	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	156	20.5	28.3	6.0	24.4	31.5	6.3	27.6	35.1	6.3
Congestive Heart Failure.....	168	14.3	16.5	4.1	22.6	24.7	4.4	31.0	31.7	3.6
Pneumonia/Influenza.....	117	11.1	17.1	6.2	18.8	23.4	6.1	24.8	28.4	5.2
Chronic Obstructive Pulmonary Disease.....	33	3.0	7.1	*	15.2	12.3	*	18.2	16.8	*
Transient Cerebral Ischemia.....	41	0.0	2.3	*	2.4	5.1	*	2.4	8.0	*
Stroke.....	135	20.0	22.2	4.3	28.1	28.5	4.0	31.9	32.9	4.1
Hip Fracture.....	89	1.1	6.4	3.6	9.0	11.7	3.9	14.6	15.3	3.9
Sepsis.....	65	23.1	30.6	6.6	29.2	38.9	7.6	30.8	45.0	8.8
PROCEDURES:										
Angioplasty.....	59	15.3	7.0	5.8	15.3	8.3	6.0	15.3	9.9	6.3
Coronary Artery Bypass Graft.....	66	15.2	8.2	5.9	18.2	11.2	6.7	18.2	12.9	6.9
Initial Pacemaker Insertion.....	25	4.0	6.0	*	8.0	10.7	*	12.0	14.6	*
Carotid Endarterectomy.....	5	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction.....	87	0.0	3.0	3.2	3.4	5.8	3.7	6.9	7.8	3.1
Open Reduction of Hip Fracture.....	49	2.0	5.2	*	10.2	10.1	*	16.3	13.6	*
Prostatectomy.....	160	0.6	1.5	1.7	3.1	3.6	1.8	5.6	5.9	1.9
Cholecystectomy.....	82	0.0	3.7	*	1.2	6.4	*	1.2	8.2	*
Hysterectomy.....	8	0.0	1.6	*	0.0	3.2	*	0.0	4.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



Carondelet St. Mary's

January 10, 1991

Medicare Provider Number: 030010

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We applaud the effort by the Health Care Financing Administration in this latest pre-release of the Medicare Mortality Data. We do, however find that some important information is not taken into consideration in the analysis of predicted mortality with respect to angioplasties and coronary artery bypass procedures.

Angioplasties

The methodology used by HCFA lumps all angioplasties into one group. We believe that angioplasties should be grouped according to whether or not the patient was diagnosed with an acute myocardial infarction. Patients with acute myocardial infarction undergoing angioplasty comprise a defined proportion of all patients undergoing this procedure. Hospitals which see a higher than average proportion of patients in the acute myocardial infarction category undergoing angioplasty will therefore show a higher mortality rate than predicted.

In this hospital, 58 patients did not have an acute myocardial infarction before angioplasty. Of those 58 cases, 3 died resulting in a mortality rate of 5.2%, which is comparable to the predicted mortality of 5.2%. Of the 30 cases that did have acute myocardial infarction present before angioplasty, 7 died, for a mortality rate of 23.3%. This latter mortality rate is comparable to the 25.7% predicted mortality for acute myocardial infarction. We believe that patients with AMI undergoing angioplasty should have the same predicted mortality as patients with AMI and not the mortality rate for patients undergoing elective angioplasty.

HCFA Data

Condition	Cases	Obs	Pred	SD
Acute MI	166	22.9	25.7*	3.6
Procedure	Cases	Obs	Pred	SD
Angioplasty	98	10.1	5.2	4.6

Carondelet St. Mary's Data

Angioplasty without MI	58	5.2	5.2
Angioplasty with MI	30	23.3	25.7*

*Predicted mortality rate for angioplasty with AMI is comparable to the mortality rate for AMI with or without procedure.

1601 West
St. Mary's
Road

P. O. Box
5386

Tucson
Arizona
85703

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622-5833

A Community Hospital and Health Center
Sponsored by the Sisters of St. Joseph of Carondelet

Page 2

Medicare Provider Number: 030010

Further, we believe that 2 out of the 10 deaths should not have been classified as angioplasty related mortalities. In one case, the patient had a successful angioplasty, was readmitted 2 months later with coronary atherosclerosis and succumbed shortly after coronary artery bypass surgery. In a second case, the patient was admitted with acute myocardial infarction, underwent successful angioplasty, and was readmitted 9 months later with another acute myocardial infarction requiring acute intervention, but died that same day.

Coronary Artery Bypass

We believe that patients undergoing coronary artery bypass procedures should also be subdivided into those that had an antecedent acute myocardial infarction and those that did not. As with coronary angioplasty, the mix of patients with and without this condition will have a dramatic effect on individual hospitals where the overall numbers are relatively small.

In our hospital there were 99 coronary artery bypass procedures reviewed with 13 deaths for an overall mortality rate of 13.3%. However, of the 99 total cases, 27 cases had antecedent acute myocardial infarctions. Of these 27 cases, 7 died which resulted in a mortality rate of 25.93% which is comparable to the mortality rate for acute myocardial infarction of 25.7%. Of the remaining 72 cases without antecedent acute myocardial infarction, 8 died resulting in a mortality rate of 11.11% which is comparable to the predicted mortality rate at a statistically insignificant difference level.

Further, of the 13 patients that died, 9 required preoperative intraaortic balloon pump assistance, and the remaining 4 patients required the device intraoperatively. Published mortality figures for patients requiring these devices report mortality rates of in excess of 30%.

HCFA Data

Condition	Cases	Obs	Pred	SD
Acute MI	166	22.9	25.7*	3.6
Procedure	Cases	Obs	Pred	SD
Coronary Artery Bypass	99	13.3	7.2	3.5

Carondelet St. Mary's Data

CAB without AMI	72	11.1	7.2
CAB with AMI	27	25.9	25.7*

*Predicted mortality in CAB with AMI is comparable to AMI with or without procedure.

We suspect that many hospitals will find that their mortality rates for cardiac procedures will be greatly influenced by their own particular mix of patients with and without acute myocardial infarctions. Hospitals which serve as referral centers for acute cardiac emergencies will be especially effected by the current methodology. Therefore, we urge that future publications of these mortality figures take into account the effect of the relative proportion of cardiac procedures with and without acute myocardial infarction.

Sincerely yours,



Lionel E. Tapia, M.D.
Director of Medical Affairs

TEMPE ST. LUKE'S HOSPITAL

1500 South Mill Avenue

Tempe, AZ 85281

Medicare Provider Number: 030019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	548	9.7	7.7	1.7	13.3	11.7	1.7	16.4	14.9	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	19	42.1	21.2	*	42.1	23.7	*	42.1	26.7	*
Congestive Heart Failure.....	24	20.8	12.4	*	37.5	19.9	*	37.5	26.5	*
Pneumonia/Influenza.....	33	18.2	12.8	*	27.3	17.8	*	27.3	21.9	*
Chronic Obstructive Pulmonary Disease.....	10	0.0	3.4	*	0.0	6.6	*	0.0	9.7	*
Transient Cerebral Ischemia.....	10	0.0	1.5	*	0.0	3.0	*	10.0	4.7	*
Stroke.....	30	13.3	16.6	*	16.7	23.4	*	23.3	27.9	*
Hip Fracture.....	16	6.3	5.1	*	12.5	9.6	*	12.5	12.7	*
Sepsis.....	2	0.0	10.4	*	0.0	16.1	*	0.0	20.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	2.6	*	20.0	5.6	*	20.0	8.5	*
Carotid Endarterectomy.....	6	16.7	1.6	*	16.7	3.2	*	16.7	4.8	*
Hip Replacement/Reconstruction.....	5	0.0	3.9	*	0.0	7.4	*	0.0	9.9	*
Open Reduction of Hip Fracture.....	10	10.0	4.8	*	10.0	9.3	*	10.0	12.5	*
Prostatectomy.....	4	0.0	1.2	*	0.0	3.0	*	0.0	5.1	*
Cholecystectomy.....	18	0.0	4.1	*	0.0	8.0	*	0.0	11.3	*
Hysterectomy.....	1	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 101
Occupancy Rate..... 40
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 177
Percent of Physicians Board Certified Specialists..... 60
Medical Residents/Interns..... 0
Registered Nurses..... 51
Licensed Practical Nurses..... 2

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

TEMPE ST. LUKE'S HOSPITAL

Medicare Provider Number: 030019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	617	10.2	9.0	1.4	13.9	13.4	1.4	16.5	16.9	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	20	40.0	25.0	*	40.0	27.7	*	40.0	30.8	*
Congestive Heart Failure.....	42	16.7	12.8	*	26.2	19.7	*	33.3	25.8	*
Pneumonia/Influenza.....	40	12.5	15.5	*	15.0	21.2	*	22.5	25.5	*
Chronic Obstructive Pulmonary Disease.....	14	14.3	4.9	*	21.4	8.8	*	21.4	12.4	*
Transient Cerebral Ischemia.....	13	0.0	1.8	*	0.0	3.7	*	0.0	5.6	*
Stroke.....	35	20.0	18.3	*	22.9	25.0	*	31.4	29.5	*
Hip Fracture.....	13	7.7	5.3	*	15.4	10.3	*	15.4	13.8	*
Sepsis.....	8	37.5	22.9	*	37.5	29.7	*	50.0	35.0	*
PROCEDURES:										
Angioplasty.....	1	0.0	10.8	*	0.0	11.8	*	0.0	13.0	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	3.2	*	0.0	7.7	*	0.0	12.7	*
Carotid Endarterectomy.....	3	0.0	1.4	*	0.0	2.8	*	33.3	4.0	*
Hip Replacement/Reconstruction.....	4	0.0	11.0	*	0.0	19.3	*	0.0	24.3	*
Open Reduction of Hip Fracture.....	10	10.0	4.3	*	20.0	8.8	*	20.0	12.2	*
Prostatectomy.....	12	0.0	1.5	*	0.0	3.5	*	0.0	5.6	*
Cholecystectomy.....	10	0.0	3.8	*	0.0	6.9	*	0.0	9.2	*
Hysterectomy.....	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	545	9.5	9.5	1.4	14.1	14.6	1.6	17.4	18.4	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	20	30.0	25.2	*	35.0	27.9	*	45.0	31.0	*
Congestive Heart Failure.....	26	15.4	17.1	*	19.2	25.3	*	23.1	32.1	*
Pneumonia/Influenza.....	19	5.3	13.4	*	5.3	18.0	*	10.5	21.9	*
Chronic Obstructive Pulmonary Disease.....	16	12.5	8.3	*	31.3	14.0	*	43.8	18.1	*
Transient Cerebral Ischemia.....	13	0.0	2.7	*	0.0	6.2	*	0.0	9.8	*
Stroke.....	21	23.8	16.0	*	23.8	22.9	*	28.6	27.2	*
Hip Fracture.....	24	0.0	4.9	*	4.2	9.1	*	4.2	12.1	*
Sepsis.....	7	0.0	11.9	*	0.0	16.4	*	0.0	20.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.8	*	0.0	4.0	*	0.0	6.4	*
Carotid Endarterectomy.....	2	0.0	2.1	*	0.0	3.8	*	0.0	5.4	*
Hip Replacement/Reconstruction.....	7	0.0	5.7	*	0.0	11.2	*	0.0	15.2	*
Open Reduction of Hip Fracture.....	15	0.0	3.6	*	0.0	7.1	*	0.0	9.7	*
Prostatectomy.....	20	0.0	1.6	*	0.0	3.7	*	0.0	6.0	*
Cholecystectomy.....	8	12.5	6.1	*	12.5	11.4	*	25.0	14.8	*
Hysterectomy.....	5	0.0	8.1	*	0.0	11.5	*	0.0	13.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

THUNDERBIRD SAMARITAN HOSP & HLTH CTR

5555 West Thunderbird Road
Glendale, AZ 85306

Medicare Provider Number: 030089

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,646	9.1	8.4	0.8	13.3	13.1	0.8	16.4	16.9	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	64	29.7	25.4	6.6	34.4	28.6	6.9	34.4	32.0	6.1
Congestive Heart Failure.....	76	15.8	13.9	5.0	23.7	22.5	5.9	30.3	29.9	5.3
Pneumonia/Influenza.....	80	18.8	12.9	4.4	20.0	18.3	4.8	25.0	22.6	4.8
Chronic Obstructive Pulmonary Disease.....	30	6.7	5.5	*	13.3	10.4	*	20.0	15.0	*
Transient Cerebral Ischemia.....	26	0.0	1.6	*	0.0	3.5	*	3.8	5.6	*
Stroke.....	80	22.5	15.3	5.2	26.2	21.2	5.2	26.2	25.4	4.9
Hip Fracture.....	41	0.0	5.0	*	2.4	9.7	*	12.2	13.1	*
Sepsis.....	15	20.0	25.9	*	53.3	34.4	*	53.3	40.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	12	0.0	3.5	*	0.0	5.9	*	0.0	8.0	*
Carotid Endarterectomy.....	5	0.0	2.0	*	0.0	3.7	*	0.0	5.3	*
Hip Replacement/Reconstruction.....	18	0.0	3.3	*	0.0	6.7	*	22.2	9.5	*
Open Reduction of Hip Fracture.....	23	0.0	4.4	*	4.3	8.7	*	8.7	11.9	*
Prostatectomy.....	64	0.0	1.1	1.5	0.0	2.6	2.8	1.6	4.4	3.4
Cholecystectomy.....	30	0.0	2.1	*	3.3	3.5	*	3.3	4.3	*
Hysterectomy.....	26	0.0	1.3	*	0.0	2.5	*	0.0	3.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 235
Occupancy Rate..... 57
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

THUNDERBIRD SAMARITAN HOSP & HLTH CTR

Medicare Provider Number: 030089

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,810	8.8	8.1	0.8	12.7	12.7	1.0	16.2	16.4	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	63	36.5	25.4	9.7	36.5	28.4	9.4	39.7	31.6	8.6
Congestive Heart Failure.....	90	16.7	13.7	4.9	21.1	20.9	4.4	27.8	27.2	4.7
Pneumonia/Influenza.....	61	13.1	11.6	7.6	18.0	16.3	7.0	18.0	20.2	8.8
Chronic Obstructive Pulmonary Disease.....	42	9.5	6.7	*	16.7	12.5	*	26.2	17.8	*
Transient Cerebral Ischemia.....	18	0.0	1.9	*	0.0	4.3	*	0.0	6.8	*
Stroke.....	56	16.1	17.7	5.1	17.9	24.6	6.3	19.6	29.3	6.9
Hip Fracture.....	53	3.8	4.5	4.0	7.5	8.6	4.4	13.2	11.6	4.7
Sepsis.....	25	32.0	22.4	*	36.0	29.6	*	36.0	35.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	15	0.0	2.6	*	0.0	5.5	*	6.7	8.4	*
Carotid Endarterectomy.....	7	0.0	2.1	*	0.0	3.9	*	14.3	5.6	*
Hip Replacement/Reconstruction.....	31	3.2	2.7	*	3.2	5.3	*	3.2	7.2	*
Open Reduction of Hip Fracture.....	26	0.0	4.4	*	0.0	8.7	*	7.7	11.9	*
Prostatectomy.....	70	0.0	1.2	1.7	0.0	2.6	3.0	2.9	4.1	3.4
Cholecystectomy.....	37	0.0	2.6	*	0.0	4.8	*	5.4	6.2	*
Hysterectomy.....	23	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,931	9.5	8.4	1.1	14.7	13.0	1.4	17.6	16.6	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	68	27.9	22.7	8.8	35.3	25.5	10.1	36.8	28.6	11.6
Congestive Heart Failure.....	80	16.2	13.2	6.3	26.2	20.1	8.3	33.7	26.3	11.3
Pneumonia/Influenza.....	70	14.3	14.9	6.9	20.0	21.0	4.9	25.7	25.8	5.5
Chronic Obstructive Pulmonary Disease.....	35	17.1	7.1	*	20.0	12.6	*	28.6	17.6	*
Transient Cerebral Ischemia.....	30	0.0	1.8	*	6.7	3.7	*	10.0	5.9	*
Stroke.....	90	13.3	16.3	5.2	22.2	23.1	5.3	23.3	27.6	7.4
Hip Fracture.....	63	3.2	4.9	4.0	9.5	9.1	5.1	11.1	12.2	4.4
Sepsis.....	11	27.3	33.7	*	36.4	41.8	*	45.5	48.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	0.0	2.0	*	0.0	4.2	*	0.0	6.3	*
Carotid Endarterectomy.....	5	0.0	1.8	*	0.0	3.6	*	0.0	5.4	*
Hip Replacement/Reconstruction.....	26	0.0	4.2	*	7.7	7.9	*	7.7	10.5	*
Open Reduction of Hip Fracture.....	34	2.9	4.3	*	5.9	8.3	*	8.8	11.2	*
Prostatectomy.....	64	3.1	1.8	2.9	9.4	4.1	4.6	10.9	6.5	5.3
Cholecystectomy.....	41	0.0	3.1	*	4.9	5.6	*	7.3	7.1	*
Hysterectomy.....	37	0.0	1.5	*	0.0	3.2	*	0.0	4.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

TUCSON GENERAL HOSPITAL

3838 North Campbell Avenue
Tucson, AZ 85719

Medicare Provider Number: 030035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,585	7.1	7.8	0.8	10.9	12.1	1.2	14.1	15.5	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	41	34.1	28.2	*	39.0	31.8	*	39.0	35.4	*
Congestive Heart Failure.....	67	13.4	12.1	4.1	17.9	18.9	4.9	25.4	25.0	5.4
Pneumonia/Influenza.....	49	12.2	14.3	*	16.3	20.2	*	24.5	24.6	*
Chronic Obstructive Pulmonary Disease.....	30	0.0	7.5	*	0.0	13.3	*	13.3	18.6	*
Transient Cerebral Ischemia.....	17	0.0	1.8	*	5.9	4.3	*	11.8	7.0	*
Stroke.....	60	10.0	16.5	6.7	15.0	22.6	8.5	16.7	26.9	10.3
Hip Fracture.....	28	7.1	4.5	*	10.7	8.7	*	10.7	11.9	*
Sepsis.....	27	7.4	20.7	*	11.1	26.5	*	14.8	31.2	*
PROCEDURES:										
Angioplasty.....	1	0.0	11.1	*	0.0	12.4	*	0.0	13.7	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	15	6.7	3.3	*	6.7	6.6	*	6.7	10.0	*
Carotid Endarterectomy.....	6	0.0	1.7	*	0.0	3.4	*	0.0	5.3	*
Hip Replacement/Reconstruction.....	23	4.3	2.7	*	8.7	5.4	*	8.7	7.8	*
Open Reduction of Hip Fracture.....	14	7.1	4.2	*	7.1	8.2	*	7.1	11.2	*
Prostatectomy.....	80	0.0	1.3	1.6	0.0	3.0	2.7	1.2	4.9	3.2
Cholecystectomy.....	27	0.0	1.6	*	0.0	2.6	*	0.0	3.3	*
Hysterectomy.....	24	0.0	0.9	*	4.2	1.8	*	4.2	2.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 179
Occupancy Rate..... 56
Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 179
Percent of Physicians Board Certified Specialists..... 55
Medical Residents/Interns..... 11
Registered Nurses..... 123
Licensed Practical Nurses..... 5

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

TUCSON GENERAL HOSPITAL

Medicare Provider Number: 030035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,812	6.8	7.6	0.7	9.8	11.5	0.9	12.0	14.7	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	38	28.9	26.9	*	28.9	30.0	*	34.2	33.3	*
Congestive Heart Failure.....	89	13.5	14.3	3.7	21.3	22.0	4.6	22.5	28.5	5.9
Pneumonia/Influenza.....	58	12.1	14.9	5.5	19.0	20.4	5.9	22.4	24.9	6.3
Chronic Obstructive Pulmonary Disease.....	34	2.9	6.7	*	2.9	11.3	*	8.8	15.2	*
Transient Cerebral Ischemia.....	38	2.6	1.7	*	5.3	3.6	*	5.3	5.7	*
Stroke.....	83	14.5	17.8	5.1	19.3	24.2	7.4	21.7	28.6	9.7
Hip Fracture.....	34	5.9	4.3	*	8.8	8.2	*	14.7	11.0	*
Sepsis.....	26	7.7	22.1	*	11.5	29.2	*	11.5	34.5	*
PROCEDURES:										
Angioplasty.....	1	100.0	11.6	*	100.0	12.6	*	100.0	13.7	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	2.5	*	0.0	5.1	*	0.0	7.6	*
Carotid Endarterectomy.....	4	0.0	1.9	*	0.0	3.9	*	0.0	5.8	*
Hip Replacement/Reconstruction.....	24	0.0	2.3	*	0.0	4.5	*	0.0	6.3	*
Open Reduction of Hip Fracture.....	21	0.0	3.7	*	0.0	7.3	*	9.5	9.9	*
Prostatectomy.....	100	1.0	1.8	1.4	1.0	4.0	2.5	1.0	6.2	4.0
Cholecystectomy.....	38	5.3	1.9	*	5.3	3.4	*	5.3	4.5	*
Hysterectomy.....	14	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,745	6.5	7.2	0.9	9.6	11.2	1.1	12.1	14.4	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	36	27.8	23.9	*	27.8	27.3	*	36.1	30.6	*
Congestive Heart Failure.....	88	15.9	15.8	4.0	25.0	23.9	5.3	26.1	30.7	6.8
Pneumonia/Influenza.....	49	10.2	12.6	*	10.2	17.8	*	10.2	22.0	*
Chronic Obstructive Pulmonary Disease.....	28	7.1	9.7	*	21.4	16.0	*	21.4	21.0	*
Transient Cerebral Ischemia.....	26	3.8	1.9	*	7.7	4.0	*	11.5	6.3	*
Stroke.....	77	14.3	18.3	6.6	18.2	25.0	8.5	27.3	29.3	6.4
Hip Fracture.....	27	3.7	4.4	*	7.4	8.2	*	7.4	10.9	*
Sepsis.....	17	17.6	24.5	*	29.4	32.7	*	29.4	38.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Carotid Endarterectomy.....	6	0.0	2.3	*	0.0	4.1	*	0.0	6.0	*
Hip Replacement/Reconstruction.....	28	0.0	1.9	*	3.6	3.7	*	3.6	4.9	*
Open Reduction of Hip Fracture.....	16	6.3	3.5	*	6.3	7.1	*	6.3	9.7	*
Prostatectomy.....	129	3.1	1.4	2.2	3.9	3.4	2.1	4.7	5.6	2.6
Cholecystectomy.....	32	0.0	2.1	*	3.1	3.9	*	3.1	5.1	*
Hysterectomy.....	14	14.3	5.4	*	14.3	8.4	*	14.3	10.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

TUCSON MEDICAL CENTER

5301 East Grant Rd
Tucson, AZ 85733

Medicare Provider Number: 030006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,625	8.1	8.3	0.7	12.7	13.1	1.0	16.0	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	171	19.3	23.8	4.5	24.0	27.0	4.1	26.3	30.5	4.5
Congestive Heart Failure.....	148	15.5	14.4	3.1	26.4	22.6	6.1	31.1	29.4	4.0
Pneumonia/Influenza.....	136	18.4	15.6	5.0	22.8	21.8	4.5	27.9	26.7	4.4
Chronic Obstructive Pulmonary Disease.....	63	15.9	6.7	5.9	20.6	12.2	6.7	27.0	17.1	8.2
Transient Cerebral Ischemia.....	46	2.2	1.9	*	6.5	4.3	*	8.7	7.0	*
Stroke.....	150	24.0	19.9	4.3	28.0	26.3	3.8	30.0	30.8	3.8
Hip Fracture.....	104	2.9	5.2	3.4	7.7	9.8	4.8	10.6	13.2	5.2
Sepsis.....	41	26.8	21.4	*	36.6	28.2	*	43.9	34.1	*
PROCEDURES:										
Angioplasty.....	81	2.5	4.6	2.9	6.2	5.8	2.7	6.2	7.1	3.2
Coronary Artery Bypass Graft.....	54	11.1	5.7	4.5	20.4	8.4	5.8	24.1	10.1	6.4
Initial Pacemaker Insertion.....	30	3.3	4.7	*	10.0	8.7	*	13.3	12.4	*
Carotid Endarterectomy.....	25	0.0	1.7	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction.....	109	1.8	1.8	2.4	4.6	3.6	3.1	6.4	5.1	3.3
Open Reduction of Hip Fracture.....	51	0.0	5.3	5.2	5.9	10.5	7.6	7.8	14.4	8.3
Prostatectomy.....	242	0.4	1.0	0.7	0.8	2.4	1.4	1.7	4.1	2.0
Cholecystectomy.....	80	3.8	3.1	2.1	3.8	5.4	3.1	7.5	6.9	2.9
Hysterectomy.....	66	0.0	1.6	1.7	1.5	2.9	2.4	3.0	4.0	2.8

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989		SPECIALTY SERVICES:	
Total Beds.....	573	Burn Unit.....	No
Occupancy Rate.....	62	Cardiac Intensive Care.....	Yes
Ownership/Control.....	Private, Non-Profit	Comprehensive Geriatric.....	No
STAFFING: (As of September 30, 1989)		Hospice Care.....	No
Total Number of Physicians.....	643	Medical/Surgical Intensive Care.....	Yes
Percent of Physicians Board Certified Specialists.....	85	Organ/Tissue Transplant.....	No
Medical Residents/Interns.....	0	Other Intensive Care.....	No
Registered Nurses.....	304	Rehabilitation Unit.....	Yes
Licensed Practical Nurses.....	52	Trauma Center.....	Yes

** Not used in calculating hospital mortality rates.

TUCSON MEDICAL CENTER

Medicare Provider Number: 030006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,824	8.0	8.5	0.5	12.5	13.3	0.7	15.7	17.0	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	173	22.5	24.8	6.1	24.9	28.0	6.6	27.2	31.3	7.5
Congestive Heart Failure.....	154	18.2	14.4	4.5	25.3	22.6	3.8	29.9	29.4	3.8
Pneumonia/Influenza.....	142	15.5	14.6	3.1	22.5	20.4	4.1	26.1	24.9	4.0
Chronic Obstructive Pulmonary Disease.....	64	17.2	8.5	5.6	21.9	14.4	6.4	28.1	19.4	7.2
Transient Cerebral Ischemia.....	52	1.9	1.9	2.8	3.8	4.2	3.7	7.7	6.7	4.1
Stroke.....	162	20.4	18.8	4.4	28.4	25.3	6.5	31.5	29.8	6.8
Hip Fracture.....	145	4.8	4.6	1.9	7.6	8.7	2.8	10.3	11.6	2.9
Sepsis.....	43	20.9	22.1	*	23.3	30.9	*	25.6	37.1	*
PROCEDURES:										
Angioplasty.....	62	11.3	5.1	5.0	11.3	6.1	5.1	11.3	7.2	5.4
Coronary Artery Bypass Graft.....	58	10.3	6.6	6.0	12.1	8.9	5.9	13.8	10.3	6.0
Initial Pacemaker Insertion.....	25	0.0	4.0	*	4.0	6.8	*	12.0	9.5	*
Carotid Endarterectomy.....	27	3.7	1.5	*	3.7	2.8	*	11.1	4.2	*
Hip Replacement/Reconstruction.....	126	0.8	2.3	1.9	4.0	4.4	2.0	6.3	6.1	2.7
Open Reduction of Hip Fracture.....	59	3.4	4.5	3.1	5.1	8.8	5.2	8.5	11.9	6.7
Prostatectomy.....	202	1.0	1.3	1.1	3.0	3.2	1.8	4.5	5.2	2.1
Cholecystectomy.....	83	2.4	2.8	2.6	3.6	5.2	3.4	6.0	6.9	3.3
Hysterectomy.....	72	1.4	1.8	1.6	1.4	3.1	3.2	4.2	4.0	3.0

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,547	8.8	8.2	0.5	13.2	12.9	0.5	16.6	16.6	0.6
CONDITIONS:										
Acute Myocardial Infarction.....	133	24.1	26.6	5.1	26.3	30.0	5.2	30.8	33.3	4.9
Congestive Heart Failure.....	147	14.3	14.8	3.0	24.5	22.8	4.0	31.3	29.6	4.0
Pneumonia/Influenza.....	142	18.3	14.7	6.4	23.2	20.6	6.1	28.2	25.3	5.1
Chronic Obstructive Pulmonary Disease.....	83	18.1	7.9	4.5	27.7	13.9	5.8	34.9	18.8	6.8
Transient Cerebral Ischemia.....	57	1.8	1.7	4.0	7.0	3.6	4.9	7.0	5.7	5.9
Stroke.....	166	21.1	17.9	6.1	28.3	24.4	5.8	31.9	28.9	6.4
Hip Fracture.....	95	10.5	4.9	4.4	14.7	9.4	4.6	16.8	12.5	4.8
Sepsis.....	31	25.8	25.0	*	32.3	33.0	*	35.5	39.3	*
PROCEDURES:										
Angioplasty.....	60	8.3	4.8	4.5	11.7	5.9	5.9	13.3	7.1	7.5
Coronary Artery Bypass Graft.....	52	11.5	7.3	5.8	11.5	9.5	6.5	15.4	10.8	7.7
Initial Pacemaker Insertion.....	29	3.4	3.2	*	3.4	6.4	*	6.9	9.3	*
Carotid Endarterectomy.....	22	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction.....	96	6.3	2.7	2.8	8.3	4.8	3.1	8.3	6.4	3.0
Open Reduction of Hip Fracture.....	37	13.5	4.4	*	18.9	8.7	*	18.9	11.9	*
Prostatectomy.....	252	0.8	1.2	0.8	2.4	2.8	1.5	3.6	4.7	2.2
Cholecystectomy.....	96	3.1	4.2	2.6	6.2	7.7	2.9	11.5	10.1	3.3
Hysterectomy.....	60	0.0	2.1	2.9	1.7	4.5	4.0	5.0	6.7	3.9

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

UNIVERSITY MEDICAL CENTER CORPORATION

1501 N Campbell Ave

Tucson, AZ 85724

Medicare Provider Number: 030064

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,892	6.7	8.1	0.8	10.9	13.1	1.1	14.8	16.9	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	45	17.8	21.6	*	20.0	24.8	*	24.4	28.4	*
Congestive Heart Failure.....	75	9.3	16.5	5.3	24.0	26.2	5.2	37.3	34.0	5.9
Pneumonia/Influenza.....	41	12.2	14.7	*	12.2	20.6	*	22.0	25.4	*
Chronic Obstructive Pulmonary Disease.....	23	8.7	7.0	*	21.7	11.6	*	26.1	15.7	*
Transient Cerebral Ischemia.....	9	0.0	2.1	*	0.0	4.8	*	11.1	7.8	*
Stroke.....	28	17.9	20.2	*	21.4	26.7	*	28.6	31.1	*
Hip Fracture.....	25	0.0	5.4	*	4.0	9.8	*	8.0	12.8	*
Sepsis.....	7	57.1	22.3	*	57.1	33.2	*	57.1	40.0	*
PROCEDURES:										
Angioplasty.....	17	0.0	3.1	*	0.0	4.4	*	0.0	5.6	*
Coronary Artery Bypass Graft.....	24	12.5	7.3	*	16.7	10.0	*	16.7	11.7	*
Initial Pacemaker Insertion.....	9	0.0	4.1	*	11.1	9.0	*	22.2	13.8	*
Carotid Endarterectomy.....	9	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction.....	55	0.0	1.8	3.6	3.6	3.5	2.7	3.6	5.1	3.6
Open Reduction of Hip Fracture.....	11	0.0	5.9	*	9.1	11.1	*	18.2	14.8	*
Prostatectomy.....	54	1.9	1.2	1.6	3.7	2.7	2.5	3.7	4.6	3.1
Cholecystectomy.....	17	11.8	3.7	*	11.8	6.3	*	11.8	8.6	*
Hysterectomy.....	7	0.0	1.7	*	0.0	4.0	*	0.0	6.4	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 279
 Occupancy Rate..... 74
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 216
 Percent of Physicians Board Certified Specialists..... 89
 Medical Residents/Interns..... 0
 Registered Nurses..... 579
 Licensed Practical Nurses..... 47

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... Yes
 Other Intensive Care..... Yes
 Rehabilitation Unit..... No
 Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

UNIVERSITY MEDICAL CENTER CORPORATION

Medicare Provider Number: 030064

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,837	7.1	8.0	1.0	11.2	12.8	1.1	14.2	16.5	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	51	31.4	27.2	7.4	35.3	30.5	8.5	37.3	34.1	7.9
Congestive Heart Failure.....	35	11.4	14.6	*	20.0	22.7	*	22.9	29.4	*
Pneumonia/Influenza.....	49	18.4	19.3	*	28.6	26.6	*	30.6	32.2	*
Chronic Obstructive Pulmonary Disease.....	18	16.7	10.6	*	33.3	17.9	*	33.3	23.9	*
Transient Cerebral Ischemia.....	30	0.0	2.1	*	3.3	4.7	*	13.3	7.6	*
Stroke.....	24	8.3	18.8	*	12.5	25.0	*	16.7	29.3	*
Hip Fracture.....	27	0.0	5.5	*	0.0	9.7	*	0.0	12.3	*
Sepsis.....	7	57.1	28.9	*	71.4	42.5	*	71.4	51.5	*
PROCEDURES:										
Angioplasty.....	14	7.1	5.5	*	7.1	6.4	*	7.1	7.4	*
Coronary Artery Bypass Graft.....	30	3.3	7.5	*	10.0	10.9	*	10.0	12.8	*
Initial Pacemaker Insertion.....	9	0.0	2.7	*	0.0	5.6	*	0.0	8.3	*
Carotid Endarterectomy.....	7	0.0	1.6	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction.....	49	0.0	2.2	*	0.0	4.1	*	2.0	5.7	*
Open Reduction of Hip Fracture.....	12	0.0	4.6	*	0.0	8.5	*	0.0	11.0	*
Prostatectomy.....	53	3.8	1.4	2.5	7.5	3.3	4.1	7.5	5.5	4.4
Cholecystectomy.....	19	0.0	2.9	*	0.0	5.2	*	0.0	6.9	*
Hysterectomy.....	16	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,739	8.1	8.5	0.8	13.0	13.5	0.9	16.5	17.4	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	48	25.0	27.3	*	35.4	31.5	*	35.4	35.5	*
Congestive Heart Failure.....	47	19.1	16.1	*	27.7	24.6	*	36.2	31.5	*
Pneumonia/Influenza.....	34	23.5	14.5	*	29.4	20.3	*	32.4	24.8	*
Chronic Obstructive Pulmonary Disease.....	22	22.7	12.8	*	22.7	20.9	*	31.8	26.7	*
Transient Cerebral Ischemia.....	21	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Stroke.....	26	15.4	19.6	*	30.8	27.0	*	34.6	31.7	*
Hip Fracture.....	33	6.1	5.3	*	9.1	9.9	*	12.1	13.2	*
Sepsis.....	4	50.0	34.2	*	50.0	41.5	*	50.0	48.3	*
PROCEDURES:										
Angioplasty.....	12	0.0	4.4	*	0.0	5.4	*	0.0	6.8	*
Coronary Artery Bypass Graft.....	34	11.8	10.7	*	17.6	14.7	*	17.6	17.0	*
Initial Pacemaker Insertion.....	7	0.0	4.3	*	14.3	9.6	*	14.3	14.6	*
Carotid Endarterectomy.....	6	0.0	2.1	*	0.0	4.2	*	0.0	6.2	*
Hip Replacement/Reconstruction.....	35	2.9	1.8	*	2.9	3.6	*	5.7	5.0	*
Open Reduction of Hip Fracture.....	12	0.0	4.5	*	0.0	8.3	*	0.0	10.9	*
Prostatectomy.....	48	2.1	1.0	*	4.2	2.5	*	4.2	4.1	*
Cholecystectomy.....	21	4.8	5.9	*	14.3	11.8	*	14.3	16.1	*
Hysterectomy.....	13	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

VA HOSPITAL3601 S 6th Ave
Tucson, AZ 85713

Medicare Provider Number: 03013F

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8	0.0	5.0	*	0.0	7.7	*	0.0	9.7	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 366
Occupancy Rate..... 57
Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 88
Percent of Physicians Board Certified Specialists..... 99
Medical Residents/Interns..... 82
Registered Nurses..... 195
Licensed Practical Nurses..... 47

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... Yes
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

VA HOSPITAL
Medicare Provider Number: 03013F

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10	0.0	5.7	*	20.0	10.4	*	20.0	14.1	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8	0.0	6.4	*	0.0	10.3	*	12.5	13.4	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

VALLEY LUTHERAN HOSPITAL

6644 Baywood Ave

Mesa, AZ 85206

Medicare Provider Number: 030088

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,903	8.9	9.0	0.7	12.3	13.1	0.8	15.6	16.5	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	154	23.4	24.5	3.6	27.9	27.7	3.9	31.2	31.5	3.8
Congestive Heart Failure.....	112	19.6	14.4	6.2	28.6	22.4	7.0	37.5	29.1	7.6
Pneumonia/Influenza.....	172	13.4	16.0	3.8	18.0	21.7	5.8	22.7	26.4	6.1
Chronic Obstructive Pulmonary Disease.....	59	11.9	6.6	6.5	15.3	11.2	6.7	22.0	15.4	7.3
Transient Cerebral Ischemia.....	33	0.0	1.5	*	0.0	3.5	*	3.0	5.7	*
Stroke.....	109	16.5	17.1	3.9	22.0	23.9	4.6	25.7	28.1	4.7
Hip Fracture.....	83	4.8	5.6	4.0	7.2	10.1	5.5	10.8	13.2	5.2
Sepsis.....	32	25.0	27.3	*	34.4	35.3	*	34.4	41.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	11	0.0	4.0	*	0.0	6.1	*	0.0	8.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	77	1.3	1.8	2.4	1.3	3.4	3.5	2.6	4.5	3.7
Open Reduction of Hip Fracture.....	49	4.1	5.4	*	8.2	10.1	*	12.2	13.3	*
Prostatectomy.....	118	0.8	0.7	1.0	0.8	1.8	1.6	3.4	3.1	2.6
Cholecystectomy.....	104	1.9	3.0	1.9	5.8	5.2	2.5	5.8	6.7	2.9
Hysterectomy.....	25	4.0	0.5	*	4.0	1.0	*	4.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 120
 Occupancy Rate..... 80
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 186
 Percent of Physicians Board Certified Specialists..... 77
 Medical Residents/Interns..... 0
 Registered Nurses..... 127
 Licensed Practical Nurses..... 18

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... Yes
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

VALLEY LUTHERAN HOSPITAL

Medicare Provider Number: 030088

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,601	8.7	8.8	0.6	12.7	13.1	0.7	15.6	16.5	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	120	25.8	26.4	4.1	28.3	29.8	4.5	30.0	33.5	5.2
Congestive Heart Failure.....	106	17.0	16.4	3.8	22.6	25.2	4.7	32.1	32.2	4.6
Pneumonia/Influenza.....	143	15.4	16.5	4.0	23.1	22.6	4.2	26.6	27.3	3.8
Chronic Obstructive Pulmonary Disease.....	67	6.0	7.4	3.4	11.9	13.0	4.2	17.9	17.8	5.1
Transient Cerebral Ischemia.....	39	0.0	1.8	*	0.0	4.1	*	0.0	6.7	*
Stroke.....	97	24.7	19.6	5.2	32.0	26.7	5.3	34.0	31.4	5.6
Hip Fracture.....	73	5.5	6.2	4.0	9.6	11.4	4.0	16.4	14.7	4.8
Sepsis.....	24	12.5	25.0	*	29.2	33.0	*	29.2	39.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	11.1	8.0	*	22.2	12.3	*	33.3	16.0	*
Carotid Endarterectomy.....	2	50.0	3.5	*	50.0	8.6	*	50.0	13.5	*
Hip Replacement/Reconstruction.....	69	1.4	2.5	2.7	2.9	5.0	4.2	4.3	6.8	4.4
Open Reduction of Hip Fracture.....	40	7.5	5.7	*	12.5	10.7	*	20.0	14.0	*
Prostatectomy.....	124	0.8	1.0	1.1	1.6	2.0	1.3	2.4	3.2	1.7
Cholecystectomy.....	83	4.8	3.3	3.8	10.8	6.2	4.3	13.3	8.2	4.9
Hysterectomy.....	27	3.7	0.7	*	3.7	1.3	*	3.7	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,658	9.1	8.8	0.6	13.1	13.0	0.7	15.7	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	125	29.6	24.6	6.6	36.0	27.5	6.8	39.2	30.7	7.7
Congestive Heart Failure.....	107	15.9	16.4	3.6	21.5	24.6	5.3	28.0	31.3	5.4
Pneumonia/Influenza.....	148	12.8	15.8	4.8	20.3	21.3	4.3	23.6	25.8	4.8
Chronic Obstructive Pulmonary Disease.....	74	12.2	9.9	4.9	18.9	16.6	5.6	24.3	21.7	5.7
Transient Cerebral Ischemia.....	30	3.3	1.8	*	3.3	3.7	*	6.7	5.8	*
Stroke.....	87	25.3	23.5	6.2	31.0	30.1	5.2	34.5	34.5	5.3
Hip Fracture.....	73	4.1	6.7	3.7	15.1	12.1	5.7	15.1	15.8	5.3
Sepsis.....	32	31.3	24.1	*	31.3	33.1	*	34.4	39.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	10	10.0	3.7	*	10.0	6.6	*	10.0	8.8	*
Carotid Endarterectomy.....	2	0.0	0.8	*	0.0	1.5	*	0.0	2.0	*
Hip Replacement/Reconstruction.....	56	0.0	2.3	2.8	3.6	4.6	3.4	3.6	6.3	4.2
Open Reduction of Hip Fracture.....	42	2.4	5.5	*	11.9	10.4	*	11.9	13.7	*
Prostatectomy.....	120	1.7	0.7	1.2	3.3	1.7	2.0	4.2	2.9	2.4
Cholecystectomy.....	91	6.6	3.6	2.6	7.7	6.3	2.8	7.7	8.1	3.5
Hysterectomy.....	33	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



Lutheran Healthcare Network

Valley Lutheran Hospital

6644 Baywood Avenue
Mesa, AZ 85206
602-981-2000
TDD # 602-981-4241

Don A. Evans, FACHE
Chief Executive Officer

January 10, 1991

Medicare Provider
#030088

To: Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

From: Charles R. Brackney, Administrator
Valley Lutheran Hospital

Re: Valley Lutheran Hospital
HCFA Mortality Data

This memo was prepared to accompany the release of the Health Care Financing Administration (HCFA) mortality data relevant to Valley Lutheran Hospital.

Our facility is interested in the fact that each year HCFA has revised the methodology for evaluating the mortality studies. HCFA then recalculates the previous two years mortality data and "selected mortality information" is published. The data findings are efforts by HCFA to improve quality of care and effectiveness of medical practice. The mortality information may be used as a screen for an area that potentially needs closer evaluation depending on the validity of the findings. We feel that it is very important to point out that the mortality findings do not explain why a hospital is outside the standard deviation of a predicted range. It is also important to point out that the mortality findings over time (30, 60 and 180 days) do not explain a disease and the different treatment modalities used to effect the final outcome. Only after complete review of a patient's chart can the effectiveness and quality of care be evaluated.

Our facility did perform data verification of the HCFA mortality findings. The following are the types and number of errors we found.

Expired patients not on the HCFA patient listing.....	29 errors
Incorrect medical record numbers.....	34 errors
Incorrect expiration dates.....	4 errors

We also reviewed all Medicare patients (298) who expired while in our facility in 1989. Time did not permit further investigation of the patients who expired after discharge while in the 30, 90 or 180 days post admission from our facility. We also did not re-review the patients who expired in 1988 since we had already reviewed them for last year's HCFA mortality findings. Our findings revealed that 83.6% of the 298 patients had a "No Code" status prior to expiration and were expected deaths. We also used the MEDISGROUPS severity index system to evaluate every patient who expired. This system uses clinical findings to determine how ill a patient is upon admission. The scale used by this system ranges from zero to four, zero meaning few objective findings found and four meaning critical findings present and the patient is likely to die. The admission severity mean for all 298 patients was 2.63. Thus, these patients had documented clinical findings which could have resulted in death.

CONCLUSION

We feel that HCFA's mortality findings may have a limited use as a screening tool for potential areas that may need further analysis. We are concerned that other hospitals may also have numerous data errors within the HCFA database thus, effecting the mortality results. Effectiveness and quality of care can only be determined after thorough chart review. We feel that HCFA mortality findings should not be used as the sole judgement for quality of care given by a facility. Quality involves many factors, not just mortality rate.

In closing, please note that Valley Lutheran Hospital has a Quality Management program that is systematic, planned and ongoing which reviews each patient's hospitalization. The program reviews numerous key factors to protect our patients from a negative outcome. This program also provides a mechanism to improve the quality of care rendered.

Thank you for the opportunity to address this issue.

Sincerely,

CH R. B. L

Charles R. Brackney, Administrator

VALLEY VIEW COMMUNITY HOSPITAL

12207 113th Avenue
Youngtown, AZ 85363

Medicare Provider Number: 030057

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	814	9.1	8.0	1.2	13.0	12.4	1.2	16.2	15.9	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	26	19.2	17.2	*	19.2	20.1	*	23.1	23.2	*
Congestive Heart Failure.....	46	23.9	15.7	*	45.7	24.8	*	50.0	32.4	*
Pneumonia/Influenza.....	40	12.5	15.5	*	17.5	21.9	*	25.0	27.0	*
Chronic Obstructive Pulmonary Disease.....	13	15.4	5.0	*	15.4	9.5	*	15.4	13.5	*
Transient Cerebral Ischemia.....	5	20.0	1.9	*	20.0	4.5	*	20.0	7.3	*
Stroke.....	22	36.4	21.7	*	40.9	27.8	*	45.5	32.2	*
Hip Fracture.....	26	7.7	5.4	*	15.4	9.9	*	15.4	13.1	*
Sepsis.....	15	26.7	25.6	*	33.3	35.4	*	40.0	42.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	1.2	*	0.0	2.6	*	0.0	4.1	*
Carotid Endarterectomy.....	4	25.0	1.9	*	25.0	3.7	*	25.0	5.3	*
Hip Replacement/Reconstruction.....	24	4.2	3.2	*	12.5	6.2	*	12.5	8.4	*
Open Reduction of Hip Fracture.....	13	7.7	4.4	*	7.7	8.5	*	7.7	11.6	*
Prostatectomy.....	32	0.0	1.4	*	0.0	3.3	*	0.0	5.4	*
Cholecystectomy.....	21	9.5	3.1	*	9.5	5.3	*	9.5	6.7	*
Hysterectomy.....	4	0.0	0.4	*	0.0	1.0	*	0.0	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1987

Total Beds..... 104
Ownership/Control..... Private, Non-Profit

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 37
Licensed Practical Nurses..... 4

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

VALLEY VIEW COMMUNITY HOSPITAL

Medicare Provider Number: 030057

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	927	7.7	7.9	0.9	12.5	12.2	1.4	15.1	15.5	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	32	18.8	24.3	*	25.0	27.5	*	28.1	30.7	*
Congestive Heart Failure.....	38	15.8	18.0	*	28.9	27.1	*	36.8	34.5	*
Pneumonia/Influenza.....	46	6.5	14.5	*	10.9	20.3	*	13.0	24.6	*
Chronic Obstructive Pulmonary Disease.....	21	9.5	7.2	*	23.8	12.6	*	28.6	17.5	*
Transient Cerebral Ischemia.....	16	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke.....	32	15.6	21.4	*	15.6	28.2	*	25.0	33.0	*
Hip Fracture.....	30	10.0	5.8	*	10.0	11.3	*	10.0	15.2	*
Sepsis.....	4	25.0	15.8	*	25.0	23.3	*	25.0	29.4	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	0.0	2.8	*	0.0	5.7	*	0.0	8.5	*
Carotid Endarterectomy.....	5	0.0	1.8	*	0.0	3.3	*	0.0	5.0	*
Hip Replacement/Reconstruction.....	35	2.9	2.1	*	2.9	4.3	*	5.7	6.2	*
Open Reduction of Hip Fracture.....	20	10.0	4.7	*	10.0	9.6	*	10.0	13.2	*
Prostatectomy.....	40	2.5	0.9	*	2.5	2.1	*	5.0	3.5	*
Cholecystectomy.....	25	8.0	3.4	*	8.0	6.4	*	8.0	8.4	*
Hysterectomy.....	3	0.0	1.5	*	0.0	2.9	*	0.0	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,038	10.7	8.4	1.5	13.4	12.9	1.1	17.0	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	32	40.6	22.6	*	43.8	25.5	*	46.9	28.6	*
Congestive Heart Failure.....	40	20.0	16.4	*	27.5	24.4	*	37.5	31.3	*
Pneumonia/Influenza.....	36	25.0	15.4	*	25.0	21.2	*	33.3	25.8	*
Chronic Obstructive Pulmonary Disease.....	31	9.7	9.1	*	9.7	16.3	*	19.4	22.0	*
Transient Cerebral Ischemia.....	13	7.7	1.6	*	7.7	3.4	*	7.7	5.2	*
Stroke.....	32	25.0	23.9	*	28.1	31.9	*	34.4	37.4	*
Hip Fracture.....	43	14.0	5.1	*	14.0	9.5	*	16.3	12.7	*
Sepsis.....	6	66.7	22.7	*	66.7	30.3	*	66.7	35.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*
Carotid Endarterectomy.....	3	33.3	3.1	*	33.3	6.8	*	33.3	10.6	*
Hip Replacement/Reconstruction.....	50	8.0	2.5	*	8.0	4.9	*	10.0	6.8	*
Open Reduction of Hip Fracture.....	23	8.7	4.5	*	8.7	8.8	*	8.7	12.0	*
Prostatectomy.....	51	0.0	1.2	*	0.0	2.9	*	0.0	4.9	*
Cholecystectomy.....	22	4.5	3.6	*	4.5	6.4	*	4.5	8.3	*
Hysterectomy.....	1	0.0	0.3	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WALTER O BOSWELL MEMORIAL HOSPITAL

10401 Thunderbird Blvd

Sun City, AZ 85351

Medicare Provider Number: 030061

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,758	8.6	8.9	0.4	13.4	13.8	0.7	16.5	17.5	0.6
CONDITIONS:										
Acute Myocardial Infarction.....	229	26.6	26.6	2.9	29.3	30.2	3.2	30.6	33.8	3.6
Congestive Heart Failure.....	321	18.4	14.4	3.1	27.4	22.7	3.4	32.4	29.7	2.9
Pneumonia/Influenza.....	211	13.7	15.4	2.9	20.4	21.2	3.1	24.2	25.9	3.9
Chronic Obstructive Pulmonary Disease.....	74	21.6	9.0	5.2	29.7	15.5	6.0	36.5	21.1	6.7
Transient Cerebral Ischemia.....	105	1.0	2.1	1.7	4.8	4.7	2.2	7.6	7.6	2.6
Stroke.....	305	17.7	18.7	2.4	25.9	25.2	2.6	29.2	29.7	2.6
Hip Fracture.....	219	9.1	5.1	2.6	11.9	9.6	2.6	14.2	12.8	2.4
Sepsis.....	68	26.5	25.6	5.8	35.3	34.1	5.9	39.7	40.7	6.7
PROCEDURES:										
Angioplasty.....	122	4.9	3.5	2.4	5.7	4.6	3.2	8.2	5.9	4.1
Coronary Artery Bypass Graft.....	76	6.6	6.8	4.1	6.6	9.5	5.6	7.9	11.2	6.7
Initial Pacemaker Insertion.....	74	0.0	2.8	2.9	1.4	5.4	3.7	2.7	8.0	4.3
Carotid Endarterectomy.....	31	0.0	1.9	*	3.2	3.6	*	3.2	5.3	*
Hip Replacement/Reconstruction.....	191	3.7	2.8	1.4	4.7	5.5	1.8	5.8	7.6	2.4
Open Reduction of Hip Fracture.....	116	11.2	4.8	3.5	15.5	9.5	4.1	17.2	12.9	4.3
Prostatectomy.....	348	0.3	1.1	0.8	1.7	2.7	1.1	3.7	4.5	1.3
Cholecystectomy.....	150	2.7	2.9	1.4	5.3	5.2	2.0	6.0	6.8	2.6
Hysterectomy.....	50	0.0	1.1	*	0.0	2.3	*	4.0	3.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 325
 Occupancy Rate..... 69
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 133
 Percent of Physicians Board Certified Specialists..... 82
 Medical Residents/Interns..... 0
 Registered Nurses..... 232
 Licensed Practical Nurses..... 46

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... Yes
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... Yes
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

WALTER O BOSWELL MEMORIAL HOSPITAL

Medicare Provider Number: 030061

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,149	8.6	8.9	0.4	13.2	13.8	0.5	16.4	17.5	0.6
CONDITIONS:										
Acute Myocardial Infarction.....	212	30.7	28.7	4.2	35.4	31.7	4.8	37.3	35.1	4.5
Congestive Heart Failure.....	306	13.1	15.4	3.1	22.9	23.6	4.8	29.4	30.4	3.0
Pneumonia/Influenza.....	276	19.9	15.8	3.7	29.3	21.7	4.1	33.0	26.4	3.9
Chronic Obstructive Pulmonary Disease.....	104	18.3	8.7	4.1	28.8	15.1	5.5	35.6	20.4	6.3
Transient Cerebral Ischemia.....	105	1.9	2.0	1.9	3.8	4.3	2.8	5.7	6.8	3.1
Stroke.....	318	16.0	19.8	3.6	23.3	26.3	3.4	26.4	30.9	4.5
Hip Fracture.....	237	6.8	5.3	2.2	8.9	9.9	2.1	13.1	13.0	2.2
Sepsis.....	55	23.6	23.5	5.7	29.1	31.3	7.0	34.5	37.2	7.1
PROCEDURES:										
Angioplasty.....	106	2.8	4.2	2.3	4.7	5.4	2.2	7.5	6.7	2.7
Coronary Artery Bypass Graft.....	72	8.3	7.7	4.1	11.1	10.2	4.0	12.5	11.7	4.2
Initial Pacemaker Insertion.....	54	3.7	4.5	4.6	7.4	7.6	5.6	11.1	10.6	6.0
Carotid Endarterectomy.....	50	2.0	2.0	*	8.0	3.9	*	8.0	5.8	*
Hip Replacement/Reconstruction.....	183	4.4	3.0	2.1	5.5	5.8	1.8	7.7	7.8	2.0
Open Reduction of Hip Fracture.....	134	7.5	4.7	3.1	9.7	9.1	3.0	13.4	12.3	3.2
Prostatectomy.....	357	0.6	1.4	0.7	2.2	3.2	1.1	3.4	5.1	1.4
Cholecystectomy.....	164	1.2	3.2	1.8	2.4	5.7	2.8	3.7	7.4	3.4
Hysterectomy.....	55	1.8	1.0	1.8	1.8	2.2	2.2	1.8	3.2	2.8

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,185	9.6	9.1	0.5	13.9	13.9	0.4	17.1	17.7	0.5
CONDITIONS:										
Acute Myocardial Infarction.....	231	36.8	27.6	4.7	40.3	30.9	4.6	42.4	34.3	4.5
Congestive Heart Failure.....	279	21.9	16.1	3.4	29.7	24.7	3.4	36.6	31.9	3.6
Pneumonia/Influenza.....	232	21.6	15.7	4.1	26.3	21.7	3.8	30.6	26.7	3.8
Chronic Obstructive Pulmonary Disease.....	123	14.6	9.8	3.4	26.8	16.8	5.5	32.5	22.3	6.3
Transient Cerebral Ischemia.....	109	2.8	2.0	2.0	5.5	4.3	2.5	7.3	6.7	2.5
Stroke.....	286	21.3	20.0	2.4	24.5	26.4	2.7	27.3	31.0	3.1
Hip Fracture.....	209	8.6	5.4	2.6	13.4	10.1	2.7	17.2	13.5	3.1
Sepsis.....	60	26.7	25.1	6.9	33.3	34.6	8.1	41.7	41.4	6.9
PROCEDURES:										
Angioplasty.....	82	4.9	5.0	2.5	6.1	6.1	3.3	9.8	7.4	4.4
Coronary Artery Bypass Graft.....	85	8.2	7.5	4.2	11.8	9.8	3.8	12.9	11.1	3.8
Initial Pacemaker Insertion.....	70	5.7	3.1	2.8	8.6	6.2	4.8	12.9	9.1	6.0
Carotid Endarterectomy.....	55	0.0	2.0	*	0.0	3.9	*	0.0	5.7	*
Hip Replacement/Reconstruction.....	177	3.4	2.8	1.3	5.6	5.4	1.8	7.3	7.3	2.0
Open Reduction of Hip Fracture.....	120	6.7	4.5	4.6	10.8	9.0	5.1	15.0	12.4	5.0
Prostatectomy.....	428	0.5	1.2	0.7	1.9	2.8	1.1	3.7	4.6	1.4
Cholecystectomy.....	127	2.4	3.8	1.9	3.9	6.7	2.8	5.5	8.6	3.5
Hysterectomy.....	44	2.3	2.3	*	2.3	4.8	*	2.3	7.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



Walter O. Boswell Memorial Hospital

10401 West Thunderbird Boulevard
P.O. Box 1690, Sun City, AZ 85372
(602) 977-7211

January 15, 1991

Mrs. Sandra Kappert
Healthcare Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The following comments are submitted in response to the published FY1989 Medicare Hospital Mortality Rates for Walter O. Boswell Memorial Hospital.

After review of the data we interpret as positive confirmation of the quality of care that we provide, that the total observed mortality rates for all cases are lower than the predicted mortality rate.

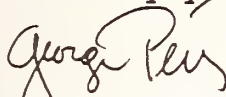
Our review of the data has lead to several questions which we believe need to be pursued. These questions include:

1. The accuracy of data provided (e.g., total number of cases) at Walter O. Boswell Memorial Hospital.
2. The summary of our Medicare activity is not reflected accurately. The report indicates that there were 6,758 discharges. The correct figure should be 9,925.
3. The report indicates the total number of physicians on staff in 1989 were 133. The total number of physicians on active and courtesy staff during that time period was 270.
4. In reviewing specific categories, we recognize our outcomes vary from the national averages. Because of this variation I will present the Medicare Hospital Mortality Rate Study to our quality management program for further review and action if necessary.

Mrs. Sandra Kappert
Healthcare Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Page 2

Sincerely yours,

A handwritten signature in cursive script, appearing to read "George Perez".

George Perez
Executive Vice President

GP:RV:lsr
:wp2490

cc: Leland W. Peterson

WHITE MOUNTAIN COMMUNITIES HOSPITAL

118 South Mountain Avenue
Springerville, AZ 85938

Medicare Provider Number: 030046

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	130	7.7	8.0	2.6	10.8	12.1	2.9	13.8	15.5	3.3
CONDITIONS:										
Acute Myocardial Infarction.....	2	50.0	24.6	*	50.0	26.7	*	50.0	29.5	*
Congestive Heart Failure.....	5	0.0	10.8	*	0.0	17.2	*	0.0	23.0	*
Pneumonia/Influenza.....	14	7.1	12.0	*	14.3	16.7	*	21.4	20.4	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	5	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Stroke.....	5	0.0	13.8	*	0.0	18.3	*	0.0	22.3	*
Hip Fracture.....	0									
Sepsis.....	2	50.0	39.8	*	50.0	44.9	*	50.0	50.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	4	0.0	2.7	*	0.0	5.0	*	0.0	6.3	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 25
Occupancy Rate..... 32
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 31
Percent of Physicians Board Certified Specialists..... 77
Medical Residents/Interns..... 0
Registered Nurses..... 13
Licensed Practical Nurses..... 4

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

WHITE MOUNTAIN COMMUNITIES HOSPITAL

Medicare Provider Number: 030046

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	117	6.8	9.8	3.2	9.4	14.7	4.3	10.3	18.6	5.3
CONDITIONS:										
Acute Myocardial Infarction.....	6	0.0	22.3	*	0.0	24.5	*	0.0	27.3	*
Congestive Heart Failure.....	5	0.0	13.9	*	0.0	22.2	*	0.0	29.3	*
Pneumonia/Influenza.....	2	50.0	5.9	*	50.0	8.4	*	50.0	10.3	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	9.6	*	0.0	15.5	*	0.0	20.8	*
Transient Cerebral Ischemia.....	2	0.0	1.7	*	0.0	3.7	*	0.0	5.8	*
Stroke.....	2	50.0	22.9	*	50.0	28.2	*	100.0	32.8	*
Hip Fracture.....	0									
Sepsis.....	2	50.0	25.4	*	50.0	29.9	*	50.0	34.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	4	0.0	1.5	*	0.0	2.9	*	0.0	3.6	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	116	9.5	9.9	2.8	11.2	13.9	3.9	15.5	17.3	4.0
CONDITIONS:										
Acute Myocardial Infarction.....	4	100.0	30.3	*	100.0	33.3	*	100.0	36.6	*
Congestive Heart Failure.....	8	12.5	17.0	*	25.0	25.5	*	25.0	32.0	*
Pneumonia/Influenza.....	9	11.1	14.5	*	11.1	20.9	*	22.2	25.8	*
Chronic Obstructive Pulmonary Disease.....	5	0.0	8.2	*	0.0	13.4	*	20.0	17.6	*
Transient Cerebral Ischemia.....	5	0.0	1.4	*	0.0	3.2	*	0.0	5.1	*
Stroke.....	7	42.9	25.3	*	42.9	31.5	*	42.9	36.4	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	2.5	*	0.0	3.6	*	0.0	4.3	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WICKENBURG COMMUNITY HOSPITAL

520 Rose Lane
Wickenburg, AZ 85358

Medicare Provider Number: 030025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	237	14.3	12.7	2.6	20.3	18.1	3.0	23.6	22.3	3.4
CONDITIONS:										
Acute Myocardial Infarction.....	20	40.0	26.2	*	45.0	29.3	*	45.0	32.8	*
Congestive Heart Failure.....	6	16.7	15.8	*	33.3	24.7	*	50.0	32.1	*
Pneumonia/Influenza.....	23	13.0	15.8	*	26.1	21.1	*	30.4	25.6	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	4.4	*	0.0	8.7	*	0.0	13.2	*
Transient Cerebral Ischemia.....	0									
Stroke.....	5	0.0	15.0	*	0.0	19.1	*	0.0	22.7	*
Hip Fracture.....	0									
Sepsis.....	5	20.0	28.0	*	60.0	36.7	*	60.0	43.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	6	16.7	2.0	*	16.7	3.5	*	16.7	4.7	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 78
Occupancy Rate..... 64
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 6
Percent of Physicians Board Certified Specialists..... 33
Medical Residents/Interns..... 0
Registered Nurses..... 9
Licensed Practical Nurses..... 0

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... Yes
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

WICKENBURG COMMUNITY HOSPITAL

Medicare Provider Number: 030025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	252	14.3	15.2	2.3	18.7	21.2	3.1	25.8	25.7	3.0
CONDITIONS:										
Acute Myocardial Infarction.....	27	22.2	25.7	*	29.6	29.0	*	33.3	32.6	*
Congestive Heart Failure.....	5	20.0	14.7	*	20.0	21.5	*	40.0	27.7	*
Pneumonia/Influenza.....	20	10.0	17.1	*	10.0	23.3	*	15.0	28.2	*
Chronic Obstructive Pulmonary Disease.....	13	0.0	9.1	*	7.7	16.5	*	23.1	23.0	*
Transient Cerebral Ischemia.....	5	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke.....	9	22.2	22.8	*	22.2	29.0	*	55.6	34.0	*
Hip Fracture.....	1	0.0	16.8	*	0.0	28.1	*	100.0	35.9	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	2.7	*	0.0	4.9	*	0.0	6.3	*
Hysterectomy.....	1	0.0	2.2	*	0.0	4.8	*	0.0	6.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	256	14.5	13.2	2.5	18.0	18.4	2.5	20.7	22.3	3.3
CONDITIONS:										
Acute Myocardial Infarction.....	14	50.0	31.4	*	50.0	35.2	*	50.0	39.1	*
Congestive Heart Failure.....	11	9.1	16.8	*	18.2	25.3	*	27.3	32.2	*
Pneumonia/Influenza.....	15	6.7	13.7	*	6.7	18.3	*	13.3	22.5	*
Chronic Obstructive Pulmonary Disease.....	9	0.0	7.0	*	22.2	11.8	*	22.2	15.7	*
Transient Cerebral Ischemia.....	3	0.0	1.7	*	0.0	4.1	*	0.0	6.7	*
Stroke.....	8	50.0	22.9	*	50.0	29.9	*	50.0	34.8	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	6	16.7	4.7	*	16.7	8.7	*	16.7	11.1	*
Hysterectomy.....	1	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WINSLOW MEMORIAL HOSPITAL

1501 Williamson Ave

Winslow, AZ 86047

Medicare Provider Number: 030044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	145	9.7	11.1	3.1	13.8	17.0	3.7	14.5	21.5	4.2
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	14.1	*	0.0	16.9	*	0.0	20.4	*
Congestive Heart Failure.....	12	0.0	12.7	*	8.3	19.6	*	8.3	25.5	*
Pneumonia/Influenza.....	18	11.1	17.3	*	11.1	23.9	*	11.1	28.6	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	13.4	*	0.0	19.5	*	0.0	24.8	*
Transient Cerebral Ischemia.....	1	0.0	0.9	*	0.0	1.9	*	0.0	3.0	*
Stroke.....	3	33.3	20.2	*	33.3	26.9	*	33.3	31.8	*
Hip Fracture.....	0									
Sepsis.....	2	0.0	30.4	*	50.0	37.7	*	50.0	43.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	1.9	*	0.0	2.9	*	0.0	3.7	*
Hysterectomy.....	1	0.0	1.1	*	0.0	2.0	*	0.0	2.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 42
 Occupancy Rate..... 29
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 14
 Percent of Physicians Board Certified Specialists..... 14
 Medical Residents/Interns..... 0
 Registered Nurses..... 13
 Licensed Practical Nurses..... 2

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

WINSLOW MEMORIAL HOSPITAL

Medicare Provider Number: 030044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	93	12.9	11.8	3.6	17.2	17.2	4.0	19.4	21.0	4.3
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	13.6	*	0.0	16.2	*	0.0	19.1	*
Congestive Heart Failure.....	5	20.0	11.1	*	20.0	16.9	*	20.0	22.2	*
Pneumonia/Influenza.....	13	7.7	14.6	*	23.1	21.0	*	38.5	25.4	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	3.6	*	0.0	6.7	*	0.0	9.5	*
Transient Cerebral Ischemia.....	3	0.0	1.3	*	33.3	2.9	*	33.3	4.6	*
Stroke.....	5	40.0	26.5	*	40.0	34.2	*	40.0	39.8	*
Hip Fracture.....	0									
Sepsis.....	2	50.0	21.9	*	50.0	28.0	*	50.0	34.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	3	0.0	2.3	*	0.0	3.7	*	0.0	4.5	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	106	15.1	10.6	4.4	18.9	15.4	4.3	20.8	19.2	4.0
CONDITIONS:										
Acute Myocardial Infarction.....	8	37.5	35.1	*	37.5	38.7	*	50.0	42.7	*
Congestive Heart Failure.....	4	25.0	18.2	*	25.0	27.4	*	25.0	35.0	*
Pneumonia/Influenza.....	17	17.6	11.9	*	17.6	16.9	*	17.6	20.7	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	3.6	*	0.0	7.0	*	0.0	10.1	*
Transient Cerebral Ischemia.....	2	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	0.9	*	0.0	1.5	*	0.0	2.0	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

YAVAPAI REGIONAL MEDICAL CENTER

1003 Willow Creek Road

Prescott, AZ 86301

Medicare Provider Number: 030012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,490	9.9	9.5	0.8	14.8	14.1	1.1	18.1	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	72	15.3	26.9	9.1	26.4	30.0	10.1	26.4	33.3	6.6
Congestive Heart Failure.....	70	14.3	14.3	4.4	27.1	22.0	7.3	31.4	28.6	6.1
Pneumonia/Influenza.....	73	17.8	13.7	9.3	24.7	18.6	9.9	27.4	22.7	9.1
Chronic Obstructive Pulmonary Disease.....	28	10.7	7.9	*	14.3	13.0	*	21.4	17.4	*
Transient Cerebral Ischemia.....	26	11.5	2.4	*	11.5	5.5	*	23.1	8.9	*
Stroke.....	53	22.6	20.4	8.5	32.1	27.1	8.4	34.0	31.6	7.3
Hip Fracture.....	51	3.9	5.6	3.3	3.9	10.1	5.2	5.9	13.2	6.1
Sepsis.....	9	33.3	17.6	*	33.3	25.1	*	33.3	29.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	0.0	1.9	*	0.0	4.4	*	0.0	7.2	*
Carotid Endarterectomy.....	5	20.0	2.0	*	20.0	4.0	*	20.0	6.1	*
Hip Replacement/Reconstruction.....	16	0.0	4.5	*	0.0	8.4	*	6.3	11.1	*
Open Reduction of Hip Fracture.....	29	6.9	5.6	*	6.9	10.6	*	6.9	13.9	*
Prostatectomy.....	78	0.0	1.1	1.6	2.6	2.5	1.8	3.8	4.0	2.3
Cholecystectomy.....	36	0.0	2.5	*	2.8	4.2	*	2.8	5.6	*
Hysterectomy.....	17	0.0	1.0	*	0.0	2.1	*	0.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 97
 Occupancy Rate..... 56
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 67
 Percent of Physicians Board Certified Specialists..... 91
 Medical Residents/Interns..... 0
 Registered Nurses..... 112
 Licensed Practical Nurses..... 8

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... Yes
 Hospice Care..... Yes
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

YAVAPAI REGIONAL MEDICAL CENTER

Medicare Provider Number: 030012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,540	8.0	9.1	1.0	13.1	13.6	1.6	15.8	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	56	14.3	25.5	8.3	19.6	28.5	9.2	19.6	31.8	8.5
Congestive Heart Failure.....	72	11.1	15.1	7.4	20.8	22.8	6.8	29.2	29.2	5.5
Pneumonia/Influenza.....	70	21.4	14.1	7.4	27.1	19.1	8.1	31.4	23.2	9.5
Chronic Obstructive Pulmonary Disease.....	22	0.0	8.8	*	4.5	15.3	*	9.1	20.5	*
Transient Cerebral Ischemia.....	32	3.1	2.0	*	9.4	4.6	*	12.5	7.3	*
Stroke.....	58	10.3	17.0	5.9	13.8	23.1	7.8	13.8	27.4	9.1
Hip Fracture.....	44	9.1	5.4	*	15.9	9.8	*	25.0	12.8	*
Sepsis.....	15	20.0	25.9	*	33.3	32.1	*	40.0	37.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	7.0	*	12.5	9.3	*	12.5	12.0	*
Carotid Endarterectomy.....	1	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction.....	16	0.0	4.2	*	0.0	8.3	*	6.3	11.1	*
Open Reduction of Hip Fracture.....	22	9.1	4.9	*	18.2	9.4	*	31.8	12.6	*
Prostatectomy.....	80	0.0	1.2	1.6	2.5	2.8	2.2	3.8	4.5	3.1
Cholecystectomy.....	38	5.3	4.3	*	7.9	7.6	*	7.9	9.7	*
Hysterectomy.....	20	5.0	1.1	*	5.0	2.2	*	5.0	3.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,546	10.3	9.2	0.9	14.6	13.8	1.0	18.4	17.4	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	68	16.2	27.5	8.4	20.6	30.5	8.5	25.0	33.9	8.1
Congestive Heart Failure.....	73	16.4	14.9	4.9	24.7	22.4	6.0	27.4	28.8	7.2
Pneumonia/Influenza.....	76	23.7	13.2	5.6	28.9	18.1	6.0	30.3	22.1	5.8
Chronic Obstructive Pulmonary Disease.....	42	19.0	12.1	*	31.0	18.9	*	38.1	24.0	*
Transient Cerebral Ischemia.....	25	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke.....	47	12.8	17.8	*	21.3	24.7	*	36.2	29.5	*
Hip Fracture.....	40	15.0	5.2	*	15.0	9.5	*	17.5	12.5	*
Sepsis.....	4	25.0	28.2	*	25.0	34.4	*	25.0	38.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	2	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction.....	17	5.9	4.2	*	5.9	8.2	*	17.6	11.1	*
Open Reduction of Hip Fracture.....	17	17.6	5.1	*	17.6	9.7	*	17.6	12.8	*
Prostatectomy.....	66	0.0	1.4	2.0	1.5	3.4	3.3	3.0	5.4	4.5
Cholecystectomy.....	48	6.3	4.2	*	8.3	6.7	*	12.5	8.2	*
Hysterectomy.....	17	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

YUMA REGIONAL MEDICAL CENTER

2400 Avenue 'A'

Yuma, AZ 85364

Medicare Provider Number: 030013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,864	9.2	8.2	1.0	13.5	12.6	1.1	16.6	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	136	16.9	20.1	4.7	19.1	23.3	4.7	24.3	26.7	4.3
Congestive Heart Failure.....	118	21.2	12.6	4.5	26.3	20.1	4.4	28.8	26.7	4.2
Pneumonia/Influenza.....	153	17.0	14.1	6.0	23.5	19.4	5.5	27.5	24.0	5.7
Chronic Obstructive Pulmonary Disease.....	65	4.6	6.3	5.0	9.2	11.4	5.1	15.4	16.0	4.8
Transient Cerebral Ischemia.....	65	0.0	1.4	2.3	1.5	3.1	3.5	6.2	4.9	3.7
Stroke.....	99	21.2	18.1	6.9	26.3	23.9	6.9	31.3	28.3	6.2
Hip Fracture.....	64	4.7	4.5	2.9	9.4	8.8	5.1	9.4	12.0	6.0
Sepsis.....	17	29.4	20.0	*	35.3	25.7	*	35.3	31.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	14	14.3	4.3	*	14.3	7.8	*	35.7	11.1	*
Carotid Endarterectomy.....	6	0.0	1.6	*	0.0	3.1	*	0.0	4.7	*
Hip Replacement/Reconstruction.....	37	0.0	3.1	*	2.7	6.1	*	2.7	8.4	*
Open Reduction of Hip Fracture.....	38	2.6	3.9	*	7.9	8.0	*	7.9	11.2	*
Prostatectomy.....	111	0.0	1.1	1.4	0.9	2.5	2.0	2.7	4.2	2.3
Cholecystectomy.....	47	10.6	3.6	*	10.6	6.8	*	10.6	9.0	*
Hysterectomy.....	9	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 242
 Occupancy Rate..... 65
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 80
 Percent of Physicians Board Certified Specialists..... 74
 Medical Residents/Interns..... 0
 Registered Nurses..... 171
 Licensed Practical Nurses..... 63

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

YUMA REGIONAL MEDICAL CENTER

Medicare Provider Number: 030013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,853	9.1	8.6	0.6	13.8	13.0	0.8	16.7	16.4	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	121	31.4	23.0	5.4	38.8	26.2	6.6	41.3	29.6	6.5
Congestive Heart Failure.....	121	19.0	13.8	3.9	26.4	21.4	4.2	27.3	27.7	4.2
Pneumonia/Influenza.....	109	17.4	13.8	5.3	21.1	19.1	4.3	23.9	23.5	4.1
Chronic Obstructive Pulmonary Disease.....	64	4.7	8.7	4.8	12.5	14.9	4.9	21.9	20.0	6.5
Transient Cerebral Ischemia.....	79	1.3	1.5	1.8	5.1	3.3	2.5	6.3	5.1	2.9
Stroke.....	119	17.6	20.7	5.7	24.4	26.8	7.1	28.6	31.4	5.8
Hip Fracture.....	56	5.4	5.1	3.0	8.9	9.5	5.2	16.1	12.4	7.0
Sepsis.....	18	16.7	20.6	*	27.8	26.7	*	38.9	31.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	11	0.0	3.2	*	0.0	5.8	*	0.0	8.3	*
Carotid Endarterectomy.....	3	33.3	1.6	*	33.3	3.2	*	33.3	4.9	*
Hip Replacement/Reconstruction.....	37	2.7	2.9	*	8.1	5.7	*	8.1	7.7	*
Open Reduction of Hip Fracture.....	28	7.1	5.4	*	7.1	10.2	*	21.4	13.4	*
Prostatectomy.....	114	0.9	1.2	1.1	1.8	2.8	1.8	3.5	4.4	2.2
Cholecystectomy.....	49	2.0	2.0	*	4.1	3.5	*	4.1	4.5	*
Hysterectomy.....	17	0.0	1.1	*	5.9	2.1	*	5.9	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,690	9.4	8.7	0.9	13.8	13.2	1.1	16.2	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	112	22.3	19.6	4.9	26.8	22.4	5.6	26.8	25.6	6.4
Congestive Heart Failure.....	100	23.0	13.2	5.5	32.0	20.7	6.7	35.0	27.3	6.0
Pneumonia/Influenza.....	114	19.3	14.8	5.0	23.7	20.5	4.7	25.4	25.2	4.2
Chronic Obstructive Pulmonary Disease.....	113	6.2	10.8	4.7	11.5	18.2	5.6	19.5	24.0	5.0
Transient Cerebral Ischemia.....	64	3.1	1.6	2.1	3.1	3.4	2.5	4.7	5.4	3.0
Stroke.....	88	20.5	18.9	4.5	22.7	24.9	5.0	27.3	29.4	5.3
Hip Fracture.....	64	1.6	5.2	4.2	6.3	9.7	5.3	10.9	12.8	4.9
Sepsis.....	19	36.8	20.8	*	36.8	27.6	*	36.8	33.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	14	0.0	3.3	*	14.3	6.7	*	14.3	10.2	*
Carotid Endarterectomy.....	10	0.0	2.2	*	0.0	4.0	*	0.0	5.7	*
Hip Replacement/Reconstruction.....	41	2.4	3.5	*	2.4	6.7	*	4.9	9.0	*
Open Reduction of Hip Fracture.....	34	0.0	5.4	*	8.8	10.4	*	17.6	13.8	*
Prostatectomy.....	112	0.0	1.1	1.4	3.6	2.6	1.9	4.5	4.3	1.9
Cholecystectomy.....	50	0.0	2.5	*	4.0	4.2	*	4.0	5.4	*
Hysterectomy.....	8	0.0	1.7	*	0.0	3.3	*	0.0	4.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Hawaii

CASTLE MEMORIAL HOSPITAL

640 Ulukahiki St

Kailua, HI 96734

Medicare Provider Number: 120006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,036	8.4	8.2	1.2	13.0	12.4	1.2	15.5	15.9	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	28	14.3	20.0	*	21.4	23.3	*	21.4	26.5	*
Congestive Heart Failure.....	55	14.5	13.4	6.2	20.0	21.4	6.9	30.9	28.4	7.7
Pneumonia/Influenza.....	40	2.5	13.9	*	10.0	19.3	*	12.5	23.8	*
Chronic Obstructive Pulmonary Disease.....	23	4.3	6.1	*	13.0	10.4	*	13.0	14.5	*
Transient Cerebral Ischemia.....	26	0.0	1.7	*	0.0	3.9	*	0.0	6.3	*
Stroke.....	47	27.7	22.2	*	31.9	28.0	*	31.9	32.5	*
Hip Fracture.....	26	3.8	4.9	*	11.5	9.6	*	11.5	13.0	*
Sepsis.....	14	21.4	24.0	*	28.6	31.5	*	28.6	37.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	10	0.0	3.5	*	10.0	7.1	*	10.0	9.8	*
Open Reduction of Hip Fracture.....	14	7.1	4.2	*	14.3	8.6	*	14.3	12.0	*
Prostatectomy.....	23	0.0	1.3	*	4.3	3.3	*	4.3	5.9	*
Cholecystectomy.....	12	8.3	1.6	*	8.3	2.8	*	16.7	3.9	*
Hysterectomy.....	8	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 156
 Occupancy Rate..... 78
 Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 92
 Percent of Physicians Board Certified Specialists..... 70
 Medical Residents/Interns..... 0
 Registered Nurses..... 167
 Licensed Practical Nurses..... 35

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

CASTLE MEMORIAL HOSPITAL

Medicare Provider Number: 120006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	965	9.0	8.6	1.3	13.8	13.1	1.2	16.7	16.7	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	26	15.4	27.0	*	15.4	29.7	*	15.4	32.8	*
Congestive Heart Failure.....	54	16.7	12.9	6.0	18.5	20.1	6.2	27.8	26.2	6.3
Pneumonia/Influenza.....	24	4.2	12.1	*	8.3	17.2	*	16.7	21.2	*
Chronic Obstructive Pulmonary Disease.....	26	0.0	7.5	*	3.8	12.9	*	3.8	17.6	*
Transient Cerebral Ischemia.....	21	0.0	1.7	*	0.0	3.9	*	4.8	6.3	*
Stroke.....	49	22.4	18.4	*	28.6	23.8	*	30.6	28.1	*
Hip Fracture.....	22	9.1	5.0	*	13.6	9.4	*	13.6	12.5	*
Sepsis.....	12	50.0	26.4	*	50.0	33.9	*	50.0	39.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	1.1	*	0.0	2.4	*	0.0	3.7	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	8	12.5	3.8	*	12.5	7.4	*	12.5	9.7	*
Open Reduction of Hip Fracture.....	11	0.0	4.0	*	9.1	8.1	*	9.1	11.2	*
Prostatectomy.....	25	0.0	1.4	*	0.0	3.6	*	4.0	6.0	*
Cholecystectomy.....	24	4.2	3.3	*	12.5	6.8	*	12.5	9.8	*
Hysterectomy.....	4	0.0	1.4	*	0.0	2.9	*	25.0	4.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	980	9.5	8.9	1.5	13.9	13.3	1.5	17.1	16.8	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	29	31.0	28.6	*	37.9	31.6	*	37.9	34.7	*
Congestive Heart Failure.....	59	10.2	14.0	6.5	20.3	21.6	5.5	30.5	28.1	6.7
Pneumonia/Influenza.....	31	19.4	13.5	*	25.8	18.5	*	25.8	22.8	*
Chronic Obstructive Pulmonary Disease.....	24	8.3	9.3	*	12.5	15.8	*	25.0	21.0	*
Transient Cerebral Ischemia.....	30	0.0	1.9	*	0.0	4.3	*	3.3	6.9	*
Stroke.....	58	27.6	20.0	6.2	27.6	25.6	6.2	31.0	30.0	6.1
Hip Fracture.....	33	6.1	5.8	*	9.1	11.1	*	12.1	14.8	*
Sepsis.....	7	14.3	25.5	*	14.3	34.1	*	14.3	40.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	13.9	*	0.0	18.7	*	0.0	23.2	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	15	6.7	7.3	*	13.3	13.1	*	20.0	17.2	*
Open Reduction of Hip Fracture.....	14	7.1	5.7	*	7.1	11.4	*	7.1	15.5	*
Prostatectomy.....	22	4.5	1.0	*	4.5	2.7	*	4.5	4.7	*
Cholecystectomy.....	18	5.6	2.9	*	5.6	5.3	*	5.6	7.0	*
Hysterectomy.....	12	0.0	0.7	*	0.0	1.2	*	8.3	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



640 Ulukahi Street
Kailua, Hawaii 96734-4498
(808) 263-5500

Medicare Provider #12006

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Re: 1989 HCFA Mortality Rate Report for Castle Medical Center

Castle Medical Center appreciates the opportunity to provide a written response in advance of the publication of the Mortality Rate Report by the Health Care Financing Administration.

Castle Medical Center believes that while there may be some difficulties inherent in using mortality rates as a measure of quality in healthcare, the effort to provide the American public with reliable information on this important industry should not be discouraged. We welcome this effort to improve American healthcare.

Our medical center takes the matter of quality in healthcare very seriously. A series of internal quality-review programs provides ongoing assessment of how we are doing, and helps to identify ways we can do even better. For this reason, the statistics provided in the present report hold no surprises for us.

Looking at the overall report, it is worth noting that in virtually all categories, Castle Medical Center's observed mortality rate was below the predicted rate. In the remaining categories, a reduction in mortality of one patient per category would have brought Castle's rate below the predicted rate. As indicated by the lack of a standard deviation in these categories, Castle's relatively small case load in certain areas makes an accurate predicted mortality rate difficult to determine.

1989 HCFA Mortality Rate Response
page 2

Medicare Provider #12006

We are proud of our overall track record and will continue to strive towards excellence in providing quality healthcare to the residents of Windward Oahu, as well as those from other parts of the state, who choose to utilize the services of Castle Medical Center.

Again, we applaud HCFA's effort to provide evidence of quality in healthcare to the consumers. We trust the above information has served to further this effort.

Any questions about our section of the HCFA report or the above information may be directed to:

Linda Wysong
Quality Management Director
Castle Medical Center
640 Ulukahiki Street
Kailua, Hawaii 96734
(808) 263-5364

Sincerely,

A handwritten signature in dark ink, appearing to read "Terry White", with a stylized flourish extending from the end.

Terry W. White
President

G N WILCOX MEMORIAL HOSPITAL

3420 Kuhio Highway

Lihue, HI 96766

Medicare Provider Number: 120014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	711	7.7	8.4	1.7	12.1	12.7	2.4	15.2	16.3	2.7
CONDITIONS:										
Acute Myocardial Infarction.....	24	25.0	27.8	*	29.2	31.6	*	33.3	35.4	*
Congestive Heart Failure.....	31	9.7	13.4	*	19.4	20.6	*	25.8	26.9	*
Pneumonia/Influenza.....	44	18.2	15.8	*	27.3	21.8	*	31.8	26.7	*
Chronic Obstructive Pulmonary Disease.....	12	8.3	7.8	*	16.7	12.3	*	16.7	16.3	*
Transient Cerebral Ischemia.....	4	0.0	1.5	*	0.0	3.3	*	0.0	5.4	*
Stroke.....	38	13.2	19.5	*	21.1	25.2	*	26.3	29.5	*
Hip Fracture.....	33	3.0	5.9	*	6.1	10.9	*	12.1	14.6	*
Sepsis.....	10	0.0	22.6	*	0.0	29.5	*	0.0	35.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	16.7	3.8	*	33.3	6.9	*	33.3	10.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	4.4	*	0.0	7.7	*	0.0	9.9	*
Open Reduction of Hip Fracture.....	21	4.8	4.4	*	4.8	8.5	*	4.8	11.5	*
Prostatectomy.....	27	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*
Cholecystectomy.....	17	5.9	2.2	*	5.9	3.7	*	5.9	4.8	*
Hysterectomy.....	5	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989		SPECIALTY SERVICES:	
Total Beds.....	149	Burn Unit.....	No
Occupancy Rate.....	87	Cardiac Intensive Care.....	No
Ownership/Control.....	Private, Non-Profit	Comprehensive Geriatric.....	Yes
STAFFING: (As of September 30, 1989)		Hospice Care.....	No
Total Number of Physicians.....	(Not Available)	Medical/Surgical Intensive Care.....	Yes
Percent of Physicians Board Certified Specialists.....	(Not Available)	Organ/Tissue Transplant.....	No
Medical Residents/Interns.....	0	Other Intensive Care.....	No
Registered Nurses.....	83	Rehabilitation Unit.....	No
Licensed Practical Nurses.....	23	Trauma Center.....	No

** Not used in calculating hospital mortality rates.

G N WILCOX MEMORIAL HOSPITAL

Medicare Provider Number: 120014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	632	9.5	9.8	1.2	13.8	14.3	1.5	16.9	18.0	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	31	41.9	33.3	*	48.4	36.9	*	54.8	40.7	*
Congestive Heart Failure.....	37	8.1	14.1	*	13.5	22.2	*	29.7	29.0	*
Pneumonia/Influenza.....	30	10.0	13.5	*	13.3	18.6	*	13.3	22.6	*
Chronic Obstructive Pulmonary Disease.....	15	6.7	5.6	*	26.7	9.7	*	33.3	13.6	*
Transient Cerebral Ischemia.....	7	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke.....	30	13.3	23.6	*	16.7	29.6	*	16.7	34.1	*
Hip Fracture.....	19	0.0	5.0	*	0.0	9.4	*	5.3	12.5	*
Sepsis.....	13	7.7	21.2	*	15.4	29.1	*	15.4	34.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	33.3	1.3	*	33.3	2.8	*	33.3	4.3	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	2.9	*	0.0	5.7	*	0.0	7.8	*
Open Reduction of Hip Fracture.....	14	0.0	4.0	*	0.0	8.0	*	7.1	10.9	*
Prostatectomy.....	19	0.0	1.2	*	0.0	2.9	*	0.0	4.7	*
Cholecystectomy.....	17	0.0	2.1	*	0.0	3.8	*	0.0	5.1	*
Hysterectomy.....	5	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	607	9.6	10.5	2.5	14.0	15.8	3.0	17.8	19.9	3.2
CONDITIONS:										
Acute Myocardial Infarction.....	14	28.6	24.3	*	28.6	28.5	*	28.6	32.3	*
Congestive Heart Failure.....	29	13.8	14.3	*	13.8	21.8	*	24.1	28.2	*
Pneumonia/Influenza.....	30	13.3	16.6	*	20.0	22.9	*	30.0	28.0	*
Chronic Obstructive Pulmonary Disease.....	9	22.2	9.7	*	33.3	15.8	*	55.6	20.8	*
Transient Cerebral Ischemia.....	15	0.0	1.9	*	13.3	4.2	*	13.3	6.9	*
Stroke.....	34	26.5	24.8	*	35.3	30.5	*	35.3	35.3	*
Hip Fracture.....	18	16.7	5.7	*	22.2	10.3	*	27.8	13.4	*
Sepsis.....	14	7.1	24.2	*	14.3	33.6	*	14.3	39.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	1.3	*	0.0	2.7	*	0.0	4.1	*
Open Reduction of Hip Fracture.....	13	7.7	5.0	*	15.4	9.4	*	23.1	12.4	*
Prostatectomy.....	16	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*
Cholecystectomy.....	13	0.0	4.5	*	0.0	7.5	*	7.7	9.5	*
Hysterectomy.....	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HILO HOSPITAL
1190 Waianuenue Avenue
Hilo, HI 96720

Medicare Provider Number: 120005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,361	10.5	10.1	1.1	15.2	14.8	1.3	18.6	18.5	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	68	30.9	29.3	5.8	32.4	33.1	6.2	38.2	37.2	5.9
Congestive Heart Failure.....	79	11.4	14.6	5.2	22.8	22.8	4.9	26.6	29.7	6.7
Pneumonia/Influenza.....	69	13.0	17.2	6.5	20.3	23.6	8.4	23.2	28.4	8.4
Chronic Obstructive Pulmonary Disease.....	22	4.5	7.5	*	4.5	13.5	*	4.5	19.0	*
Transient Cerebral Ischemia.....	27	3.7	2.2	*	3.7	5.0	*	7.4	8.1	*
Stroke.....	72	20.8	18.8	5.6	20.8	24.7	6.1	26.4	29.1	6.0
Hip Fracture.....	32	6.3	6.8	*	18.8	12.1	*	21.9	15.7	*
Sepsis.....	9	22.2	26.3	*	22.2	31.6	*	22.2	37.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	10	0.0	2.0	*	0.0	4.1	*	0.0	6.1	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	6	0.0	3.7	*	0.0	6.9	*	0.0	9.2	*
Open Reduction of Hip Fracture.....	13	7.7	6.0	*	23.1	11.2	*	30.8	14.8	*
Prostatectomy.....	36	0.0	0.5	*	0.0	1.2	*	0.0	2.1	*
Cholecystectomy.....	32	0.0	2.4	*	0.0	4.5	*	3.1	6.1	*
Hysterectomy.....	5	0.0	0.8	*	0.0	1.8	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 274
Occupancy Rate..... 82
Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 97
Percent of Physicians Board Certified Specialists..... 64
Medical Residents/Interns..... 0
Registered Nurses..... 142
Licensed Practical Nurses..... 65

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

HILO HOSPITAL
Medicare Provider Number: 120005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,397	9.9	9.8	1.0	13.6	14.3	1.3	16.2	18.0	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	59	15.3	27.3	9.9	20.3	30.6	10.4	22.0	34.4	10.4
Congestive Heart Failure.....	74	18.9	16.4	4.9	27.0	24.5	6.5	36.5	31.3	9.8
Pneumonia/Influenza.....	56	12.5	15.2	5.2	14.3	20.7	7.0	14.3	25.2	9.9
Chronic Obstructive Pulmonary Disease.....	12	8.3	6.9	*	16.7	11.8	*	25.0	16.2	*
Transient Cerebral Ischemia.....	35	0.0	2.1	*	2.9	4.7	*	2.9	7.6	*
Stroke.....	84	16.7	21.9	6.8	22.6	27.8	7.2	25.0	32.5	8.8
Hip Fracture.....	42	9.5	6.7	*	9.5	11.9	*	9.5	15.1	*
Sepsis.....	11	36.4	29.9	*	36.4	37.9	*	36.4	44.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	11	0.0	5.4	*	0.0	8.9	*	0.0	11.7	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	6	0.0	2.9	*	0.0	5.3	*	0.0	6.8	*
Open Reduction of Hip Fracture.....	25	8.0	5.4	*	8.0	10.1	*	8.0	13.2	*
Prostatectomy.....	37	2.7	0.6	*	5.4	1.5	*	5.4	2.6	*
Cholecystectomy.....	38	5.3	3.4	*	5.3	5.7	*	5.3	7.3	*
Hysterectomy.....	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,362	8.7	8.8	2.1	12.2	13.2	2.3	15.0	16.9	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	42	28.6	27.9	*	33.3	31.0	*	33.3	34.7	*
Congestive Heart Failure.....	74	21.6	13.4	7.5	27.0	20.7	6.8	32.4	27.2	6.7
Pneumonia/Influenza.....	56	21.4	14.9	6.4	21.4	20.5	5.8	23.2	25.1	5.9
Chronic Obstructive Pulmonary Disease.....	10	0.0	7.7	*	0.0	13.0	*	30.0	17.3	*
Transient Cerebral Ischemia.....	33	0.0	1.7	*	3.0	3.6	*	3.0	5.7	*
Stroke.....	86	16.3	19.4	4.7	20.9	25.0	5.0	20.9	29.4	6.1
Hip Fracture.....	40	5.0	6.7	*	7.5	12.3	*	7.5	16.2	*
Sepsis.....	8	37.5	23.7	*	37.5	30.0	*	37.5	35.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	16	6.3	2.8	*	18.8	5.7	*	25.0	8.6	*
Carotid Endarterectomy.....	1	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction.....	14	0.0	6.0	*	7.1	10.8	*	7.1	14.0	*
Open Reduction of Hip Fracture.....	24	8.3	6.3	*	12.5	12.4	*	12.5	16.8	*
Prostatectomy.....	45	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*
Cholecystectomy.....	33	0.0	3.0	*	0.0	4.6	*	0.0	5.6	*
Hysterectomy.....	8	0.0	1.5	*	0.0	2.3	*	0.0	2.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HONOKAA HOSPITAL

P O Box 237
Honokaa, HI 96727

Medicare Provider Number: 120016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	114	11.4	9.4	4.1	16.7	15.8	3.8	20.2	20.8	3.9
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	32.0	*	0.0	35.3	*	0.0	40.0	*
Congestive Heart Failure.....	3	33.3	25.0	*	33.3	40.3	*	33.3	51.3	*
Pneumonia/Influenza.....	11	27.3	18.6	*	36.4	26.1	*	36.4	31.3	*
Chronic Obstructive Pulmonary Disease.....	2	50.0	11.5	*	50.0	22.2	*	50.0	31.1	*
Transient Cerebral Ischemia.....	2	0.0	1.1	*	0.0	2.5	*	0.0	4.0	*
Stroke.....	4	25.0	16.6	*	25.0	21.8	*	25.0	26.1	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	28.1	*	0.0	32.7	*	0.0	38.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	1.0	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989		SPECIALTY SERVICES:	
Total Beds.....	30	Burn Unit.....	No
Occupancy Rate.....	67	Cardiac Intensive Care.....	No
Ownership/Control.....	State Government	Comprehensive Geriatric.....	No
STAFFING: (As of September 30, 1989)		Hospice Care.....	No
Total Number of Physicians.....	13	Medical/Surgical Intensive Care.....	Yes
Percent of Physicians Board Certified Specialists.....	62	Organ/Tissue Transplant.....	No
Medical Residents/Interns.....	0	Other Intensive Care.....	No
Registered Nurses.....	14	Rehabilitation Unit.....	No
Licensed Practical Nurses.....	8	Trauma Center.....	No

** Not used in calculating hospital mortality rates.

HONOKAA HOSPITAL
Medicare Provider Number: 120016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	121	8.3	8.7	2.6	10.7	13.4	3.7	12.4	17.1	5.0
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	16.2	*	0.0	18.4	*	0.0	21.0	*
Congestive Heart Failure.....	8	25.0	17.7	*	25.0	25.5	*	37.5	32.3	*
Pneumonia/Influenza.....	9	11.1	11.1	*	11.1	15.5	*	11.1	19.1	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	4.3	*	0.0	7.5	*	0.0	10.4	*
Transient Cerebral Ischemia.....	4	0.0	1.1	*	0.0	2.5	*	0.0	4.0	*
Stroke.....	6	16.7	25.5	*	16.7	33.4	*	16.7	38.4	*
Hip Fracture.....	0									
Sepsis.....	2	50.0	31.1	*	100.0	42.3	*	100.0	50.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	2.0	*	0.0	3.4	*	0.0	4.2	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	136	8.8	6.7	3.6	12.5	11.0	4.3	19.1	14.6	7.8
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	20.3	*	0.0	22.9	*	0.0	26.4	*
Congestive Heart Failure.....	10	10.0	11.6	*	10.0	18.5	*	20.0	24.5	*
Pneumonia/Influenza.....	4	0.0	17.2	*	0.0	23.8	*	25.0	29.1	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	4.9	*	33.3	10.2	*	33.3	15.0	*
Transient Cerebral Ischemia.....	2	0.0	1.5	*	0.0	3.4	*	0.0	5.4	*
Stroke.....	11	9.1	18.3	*	18.2	24.5	*	27.3	29.1	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KAHUKU HOSPITAL

P O Box 218
Kahuku, HI 96731

Medicare Provider Number: 120012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	66	9.1	8.7	3.6	10.6	13.1	5.9	13.6	16.7	8.3
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	4	25.0	16.0	*	50.0	23.9	*	50.0	30.8	*
Pneumonia/Influenza.....	9	22.2	14.3	*	22.2	19.1	*	22.2	23.0	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	14.1	*	0.0	22.7	*	33.3	29.1	*
Transient Cerebral Ischemia.....	1	0.0	1.0	*	0.0	2.2	*	0.0	3.3	*
Stroke.....	4	25.0	18.4	*	25.0	26.5	*	25.0	31.3	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS ****SOURCE:** Health Care Financing Administration (OSCAR) - 1988

Total Beds..... 15
Ownership/Control..... Private, Non-Profit

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 16
Licensed Practical Nurses..... 8

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... No
Hospice..... No
Intensive Care Unit..... No
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

KAHUKU HOSPITAL
Medicare Provider Number: 120012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	85	5.9	8.9	4.2	12.9	13.6	5.0	15.3	17.3	5.0
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	5	0.0	17.3	*	40.0	25.4	*	40.0	32.0	*
Pneumonia/Influenza.....	13	7.7	13.1	*	7.7	17.9	*	7.7	21.8	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	23.0	*	100.0	33.9	*	100.0	40.2	*
Hip Fracture.....	0									
Sepsis.....	3	33.3	25.7	*	33.3	34.0	*	33.3	39.0	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	1	0.0	0.5	*	0.0	1.0	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	62	4.8	10.7	9.0	8.1	16.0	11.8	14.5	20.0	11.1
CONDITIONS:										
Acute Myocardial Infarction.....	2	50.0	35.1	*	50.0	39.9	*	50.0	44.1	*
Congestive Heart Failure.....	3	0.0	16.5	*	0.0	25.1	*	33.3	32.3	*
Pneumonia/Influenza.....	9	0.0	15.6	*	0.0	20.4	*	0.0	24.2	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	7.7	*	0.0	13.7	*	0.0	19.2	*
Transient Cerebral Ischemia.....	1	0.0	0.9	*	0.0	2.0	*	0.0	3.2	*
Stroke.....	1	0.0	8.3	*	0.0	12.4	*	0.0	15.3	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	18.3	*	0.0	22.5	*	0.0	27.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KAISER FOUNDATION HOSPITAL

3288 Moanalua Rd

Honolulu, HI 96818

Medicare Provider Number: 120011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,697	7.0	9.3	1.5	10.8	14.0	1.9	14.2	17.6	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	67	7.5	21.1	7.1	9.0	24.2	7.7	10.4	27.4	8.3
Congestive Heart Failure.....	66	3.0	15.4	6.5	18.2	23.6	7.3	21.2	30.3	6.8
Pneumonia/Influenza.....	58	6.9	16.3	8.2	12.1	22.2	9.4	17.2	26.9	8.8
Chronic Obstructive Pulmonary Disease.....	24	16.7	8.8	*	16.7	15.1	*	25.0	20.3	*
Transient Cerebral Ischemia.....	23	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke.....	88	14.8	19.6	7.0	18.2	25.5	8.7	22.7	29.6	8.9
Hip Fracture.....	16	0.0	5.9	*	12.5	11.1	*	12.5	14.9	*
Sepsis.....	23	17.4	25.0	*	26.1	32.2	*	43.5	38.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	0.0	2.6	*	0.0	5.1	*	0.0	7.4	*
Carotid Endarterectomy.....	16	6.3	1.5	*	6.3	2.7	*	6.3	3.9	*
Hip Replacement/Reconstruction.....	16	0.0	2.2	*	0.0	4.4	*	0.0	6.1	*
Open Reduction of Hip Fracture.....	7	0.0	4.9	*	14.3	9.5	*	14.3	12.9	*
Prostatectomy.....	98	1.0	0.7	0.9	1.0	1.8	1.5	2.0	3.1	2.2
Cholecystectomy.....	35	0.0	3.3	*	0.0	6.2	*	2.9	8.3	*
Hysterectomy.....	13	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 215
 Occupancy Rate..... 83
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 176
 Percent of Physicians Board Certified Specialists..... 86
 Medical Residents/Interns..... 1
 Registered Nurses..... 430
 Licensed Practical Nurses..... 79

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... Yes
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

KAISER FOUNDATION HOSPITAL

Medicare Provider Number: 120011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,596	9.1	9.4	1.0	14.0	14.3	0.9	17.8	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	49	16.3	21.8	*	20.4	25.6	*	28.6	29.4	*
Congestive Heart Failure.....	75	5.3	15.6	5.6	5.3	23.8	7.3	12.0	30.5	7.5
Pneumonia/Influenza.....	56	19.6	17.3	6.0	26.8	23.4	9.3	35.7	28.3	12.1
Chronic Obstructive Pulmonary Disease.....	22	4.5	7.4	*	18.2	12.9	*	22.7	17.6	*
Transient Cerebral Ischemia.....	26	3.8	1.6	*	3.8	3.6	*	3.8	5.6	*
Stroke.....	87	24.1	21.9	4.8	27.6	29.2	5.4	31.0	34.0	6.7
Hip Fracture.....	22	9.1	6.7	*	13.6	11.9	*	13.6	15.3	*
Sepsis.....	28	10.7	20.6	*	25.0	26.9	*	39.3	31.9	*
PROCEDURES:										
Angioplasty.....	1	0.0	1.0	*	0.0	1.6	*	0.0	2.3	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	3.0	*	20.0	5.5	*	20.0	8.2	*
Carotid Endarterectomy.....	15	0.0	1.6	*	6.7	3.1	*	6.7	4.6	*
Hip Replacement/Reconstruction.....	18	0.0	2.7	*	0.0	5.0	*	0.0	6.5	*
Open Reduction of Hip Fracture.....	7	0.0	7.0	*	0.0	13.0	*	0.0	16.8	*
Prostatectomy.....	89	1.1	0.8	1.0	1.1	2.0	1.6	2.2	3.2	2.4
Cholecystectomy.....	23	0.0	5.2	*	0.0	8.8	*	0.0	11.8	*
Hysterectomy.....	13	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,451	7.5	9.3	2.2	11.9	13.9	3.3	15.7	17.4	3.6
CONDITIONS:										
Acute Myocardial Infarction.....	73	16.4	26.0	8.3	20.5	29.7	8.1	27.4	33.2	7.1
Congestive Heart Failure.....	60	10.0	15.2	8.1	20.0	22.8	6.6	30.0	29.3	6.0
Pneumonia/Influenza.....	40	15.0	16.5	*	22.5	21.9	*	27.5	26.5	*
Chronic Obstructive Pulmonary Disease.....	12	8.3	10.6	*	8.3	16.5	*	16.7	21.5	*
Transient Cerebral Ischemia.....	21	4.8	1.7	*	4.8	3.7	*	4.8	6.0	*
Stroke.....	77	9.1	20.0	6.4	10.4	26.5	7.7	16.9	30.7	7.7
Hip Fracture.....	26	3.8	6.7	*	3.8	12.4	*	11.5	16.2	*
Sepsis.....	17	29.4	20.3	*	47.1	26.4	*	47.1	31.6	*
PROCEDURES:										
Angioplasty.....	1	0.0	2.0	*	0.0	3.1	*	0.0	4.5	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	1.8	*	0.0	3.7	*	0.0	5.8	*
Carotid Endarterectomy.....	11	0.0	1.7	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction.....	16	0.0	3.7	*	0.0	7.0	*	0.0	9.3	*
Open Reduction of Hip Fracture.....	12	8.3	5.7	*	8.3	10.8	*	16.7	14.2	*
Prostatectomy.....	103	1.0	0.7	1.0	1.0	1.6	1.4	1.0	2.8	2.2
Cholecystectomy.....	31	3.2	2.5	*	3.2	4.7	*	6.5	6.2	*
Hysterectomy.....	13	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KAU HOSPITAL

P O Box 248
Pahala, HI 96777

Medicare Provider Number: 120018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	14	21.4	9.9	*	21.4	13.2	*	21.4	16.4	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	1	0.0	19.1	*	0.0	30.2	*	0.0	38.9	*
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	1	0.0	1.6	*	0.0	3.7	*	0.0	6.1	*
Stroke.....	1	0.0	14.2	*	0.0	18.8	*	0.0	22.9	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 15
Occupancy Rate..... 67
Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 2
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... 0
Registered Nurses..... 7
Licensed Practical Nurses..... 4

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

KAU HOSPITAL
Medicare Provider Number: 120018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9	22.2	20.9	*	44.4	27.9	*	44.4	33.3	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	1	0.0	19.6	*	0.0	30.3	*	0.0	38.0	*
Pneumonia/Influenza.....	2	0.0	7.5	*	50.0	10.9	*	50.0	13.8	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13	7.7	5.8	*	7.7	10.2	*	7.7	13.8	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	1	0.0	6.4	*	0.0	8.6	*	0.0	10.8	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KAUAI VETERANS MEMORIAL HOSPITAL

P O Box 337
Waimea, HI 96796

Medicare Provider Number: 120003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	222	7.7	10.0	3.0	10.4	15.1	5.9	14.4	19.1	6.0
CONDITIONS:										
Acute Myocardial Infarction.....	6	0.0	31.3	*	0.0	34.1	*	0.0	37.6	*
Congestive Heart Failure.....	15	0.0	16.3	*	0.0	25.8	*	20.0	33.2	*
Pneumonia/Influenza.....	14	21.4	19.7	*	21.4	26.8	*	21.4	31.5	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	8.2	*	0.0	13.2	*	0.0	17.8	*
Transient Cerebral Ischemia.....	3	0.0	1.8	*	0.0	4.0	*	0.0	6.4	*
Stroke.....	15	20.0	20.8	*	26.7	26.7	*	33.3	31.0	*
Hip Fracture.....	0									
Sepsis.....	7	14.3	19.3	*	14.3	26.3	*	14.3	31.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	2	0.0	0.7	*	0.0	1.7	*	50.0	2.8	*
Cholecystectomy.....	4	0.0	0.9	*	0.0	1.4	*	0.0	1.9	*
Hysterectomy.....	2	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 44
Occupancy Rate..... 57
Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 17
Percent of Physicians Board Certified Specialists..... 82
Medical Residents/Interns..... 0
Registered Nurses..... 26
Licensed Practical Nurses..... 9

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

KAUAI VETERANS MEMORIAL HOSPITAL

Medicare Provider Number: 120003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	233	7.3	10.3	3.0	10.7	14.9	3.6	13.3	18.7	3.6
CONDITIONS:										
Acute Myocardial Infarction.....	5	20.0	32.0	*	20.0	36.7	*	20.0	40.8	*
Congestive Heart Failure.....	15	6.7	16.4	*	6.7	25.4	*	6.7	32.7	*
Pneumonia/Influenza.....	8	37.5	15.1	*	50.0	21.4	*	50.0	25.9	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	5	0.0	2.2	*	0.0	4.6	*	0.0	7.3	*
Stroke.....	18	11.1	25.3	*	38.9	33.2	*	44.4	38.6	*
Hip Fracture.....	0									
Sepsis.....	5	20.0	28.9	*	20.0	37.0	*	20.0	43.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	5	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*
Cholecystectomy.....	5	0.0	2.5	*	0.0	4.4	*	0.0	5.6	*
Hysterectomy.....	4	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	208	8.7	10.3	2.5	12.5	15.1	3.4	14.9	19.0	4.5
CONDITIONS:										
Acute Myocardial Infarction.....	7	42.9	22.5	*	42.9	25.0	*	42.9	27.8	*
Congestive Heart Failure.....	14	7.1	14.0	*	7.1	21.9	*	7.1	28.9	*
Pneumonia/Influenza.....	8	25.0	22.5	*	25.0	29.7	*	25.0	34.5	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	13.3	*	0.0	20.7	*	0.0	26.5	*
Transient Cerebral Ischemia.....	2	0.0	2.2	*	0.0	4.4	*	0.0	7.0	*
Stroke.....	18	22.2	25.6	*	27.8	31.7	*	38.9	36.4	*
Hip Fracture.....	0									
Sepsis.....	1	100.0	77.4	*	100.0	84.3	*	100.0	88.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	4	0.0	2.0	*	0.0	4.4	*	0.0	6.8	*
Cholecystectomy.....	3	0.0	2.1	*	0.0	3.3	*	0.0	4.0	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KOHALA HOSPITAL

P O Box 10
Kapaau, HI 96755

Medicare Provider Number: 120021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	38	10.5	7.7	*	10.5	13.2	*	15.8	18.2	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	6	16.7	15.3	*	16.7	24.1	*	33.3	31.7	*
Pneumonia/Influenza.....	5	40.0	10.8	*	40.0	14.8	*	40.0	18.5	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	6.2	*	0.0	10.5	*	0.0	14.5	*
Transient Cerebral Ischemia.....	3	0.0	2.4	*	0.0	5.3	*	0.0	8.3	*
Stroke.....	1	0.0	12.7	*	0.0	17.8	*	0.0	22.2	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 26
Occupancy Rate..... 73
Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 5
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

KOHALA HOSPITAL
Medicare Provider Number: 120021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	38	15.8	10.7	*	21.1	15.7	*	21.1	19.9	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	0.0	16.5	*	0.0	25.4	*	0.0	32.7	*
Pneumonia/Influenza.....	3	33.3	24.9	*	33.3	34.8	*	33.3	42.0	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	8.3	*	0.0	13.6	*	0.0	20.2	*
Transient Cerebral Ischemia.....	3	0.0	4.7	*	0.0	11.0	*	0.0	17.8	*
Stroke.....	1	100.0	23.5	*	100.0	29.0	*	100.0	33.9	*
Hip Fracture.....	0									
Sepsis.....	1	100.0	31.1	*	100.0	36.4	*	100.0	43.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	36	8.3	13.5	*	11.1	19.7	*	19.4	24.5	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	35.1	*	0.0	38.0	*	0.0	41.7	*
Congestive Heart Failure.....	4	25.0	16.5	*	25.0	26.8	*	50.0	34.6	*
Pneumonia/Influenza.....	8	12.5	15.4	*	25.0	21.6	*	25.0	26.5	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	12.0	*	0.0	19.0	*	0.0	24.5	*
Transient Cerebral Ischemia.....	2	0.0	2.7	*	0.0	6.3	*	0.0	10.4	*
Stroke.....	1	0.0	26.1	*	0.0	32.1	*	0.0	37.1	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	29.4	*	0.0	36.6	*	0.0	42.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KONA HOSPITAL

P O Box 69
Kealahou, HI 96750

Medicare Provider Number: 120019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	541	6.7	8.5	2.4	11.6	12.6	2.3	15.0	16.1	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	20	5.0	23.1	*	5.0	26.0	*	5.0	29.2	*
Congestive Heart Failure.....	22	9.1	14.3	*	13.6	21.9	*	18.2	28.6	*
Pneumonia/Influenza.....	36	8.3	16.6	*	22.2	22.4	*	25.0	26.9	*
Chronic Obstructive Pulmonary Disease.....	12	0.0	9.6	*	16.7	15.0	*	16.7	19.8	*
Transient Cerebral Ischemia.....	3	0.0	2.1	*	0.0	4.6	*	0.0	7.5	*
Stroke.....	32	25.0	22.7	*	37.5	28.8	*	40.6	33.2	*
Hip Fracture.....	18	5.6	4.6	*	16.7	8.1	*	22.2	10.6	*
Sepsis.....	4	50.0	33.2	*	50.0	40.9	*	50.0	47.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	7	14.3	4.2	*	14.3	7.5	*	14.3	9.9	*
Open Reduction of Hip Fracture.....	9	0.0	4.2	*	22.2	7.6	*	22.2	9.9	*
Prostatectomy.....	57	0.0	0.6	1.1	1.8	1.5	1.9	1.8	2.6	2.4
Cholecystectomy.....	8	0.0	1.7	*	0.0	2.6	*	0.0	3.2	*
Hysterectomy.....	1	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 61
Occupancy Rate..... 80
Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 52
Percent of Physicians Board Certified Specialists..... 65
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

KONA HOSPITAL
Medicare Provider Number: 120019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	537	7.6	9.1	1.8	11.9	13.5	2.3	14.9	17.0	2.8
CONDITIONS:										
Acute Myocardial Infarction.....	15	40.0	26.4	*	40.0	29.5	*	40.0	32.9	*
Congestive Heart Failure.....	26	0.0	16.7	*	7.7	25.1	*	15.4	32.1	*
Pneumonia/Influenza.....	30	10.0	16.0	*	16.7	21.7	*	20.0	26.2	*
Chronic Obstructive Pulmonary Disease.....	4	25.0	8.7	*	25.0	13.3	*	25.0	17.8	*
Transient Cerebral Ischemia.....	10	0.0	1.7	*	10.0	3.5	*	10.0	5.4	*
Stroke.....	20	25.0	24.7	*	35.0	31.0	*	35.0	35.8	*
Hip Fracture.....	11	0.0	7.1	*	0.0	12.6	*	0.0	16.1	*
Sepsis.....	5	20.0	30.4	*	40.0	36.7	*	40.0	42.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	4.4	*	0.0	7.8	*	0.0	10.9	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	3.7	*	0.0	7.4	*	0.0	10.2	*
Open Reduction of Hip Fracture.....	7	0.0	7.1	*	0.0	12.9	*	0.0	16.3	*
Prostatectomy.....	44	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy.....	6	0.0	2.5	*	0.0	3.7	*	0.0	4.5	*
Hysterectomy.....	4	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	513	8.0	8.8	1.6	10.3	13.3	3.8	12.7	17.1	5.8
CONDITIONS:										
Acute Myocardial Infarction.....	21	28.6	27.3	*	28.8	30.3	*	28.6	33.5	*
Congestive Heart Failure.....	37	5.4	15.2	*	13.5	23.1	*	18.9	29.9	*
Pneumonia/Influenza.....	20	10.0	15.9	*	15.0	21.3	*	15.0	26.1	*
Chronic Obstructive Pulmonary Disease.....	12	16.7	14.6	*	25.0	24.4	*	25.0	30.5	*
Transient Cerebral Ischemia.....	7	0.0	1.8	*	0.0	3.8	*	0.0	6.1	*
Stroke.....	20	25.0	23.3	*	30.0	30.8	*	30.0	36.0	*
Hip Fracture.....	11	0.0	6.2	*	0.0	11.2	*	9.1	14.5	*
Sepsis.....	2	0.0	26.1	*	0.0	30.9	*	0.0	36.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	4.0	*	0.0	8.1	*	16.7	12.0	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	6	0.0	3.6	*	0.0	7.3	*	16.7	9.9	*
Open Reduction of Hip Fracture.....	4	0.0	7.4	*	0.0	13.2	*	0.0	16.9	*
Prostatectomy.....	54	1.9	1.1	1.8	1.9	2.8	2.3	3.7	4.3	2.9
Cholecystectomy.....	3	33.3	3.6	*	33.3	5.8	*	33.3	6.5	*
Hysterectomy.....	1	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KUAKINI MEDICAL CENTER

347 N Kuakini Street

Honolulu, HI 96817

Medicare Provider Number: 120007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,332	10.2	11.4	1.1	16.2	17.4	1.2	19.7	21.8	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	66	22.7	25.9	6.3	31.8	29.9	6.1	34.8	33.7	8.7
Congestive Heart Failure.....	90	14.4	15.5	4.0	21.1	23.9	5.2	26.7	30.7	6.6
Pneumonia/Influenza.....	91	17.6	15.7	5.8	26.4	21.6	6.8	30.8	26.0	8.8
Chronic Obstructive Pulmonary Disease.....	12	16.7	7.9	*	25.0	14.5	*	25.0	20.6	*
Transient Cerebral Ischemia.....	18	0.0	1.6	*	0.0	3.4	*	11.1	5.4	*
Stroke.....	135	18.5	23.7	4.3	23.0	30.6	5.6	25.2	35.1	5.9
Hip Fracture.....	76	5.3	7.6	4.7	7.9	13.7	7.0	13.2	17.7	6.1
Sepsis.....	33	27.3	29.3	*	42.4	37.0	*	48.5	42.7	*
PROCEDURES:										
Angioplasty.....	32	6.3	3.3	*	6.3	4.1	*	6.3	5.2	*
Coronary Artery Bypass Graft.....	50	4.0	7.1	*	8.0	10.0	*	8.0	11.9	*
Initial Pacemaker Insertion.....	12	0.0	4.7	*	8.3	9.6	*	8.3	13.9	*
Carotid Endarterectomy.....	9	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction.....	17	0.0	3.7	*	0.0	7.3	*	0.0	10.3	*
Open Reduction of Hip Fracture.....	59	5.1	7.2	4.2	8.5	13.5	6.1	15.3	17.7	5.3
Prostatectomy.....	117	0.9	0.9	1.0	3.4	2.2	1.8	4.3	3.7	2.7
Cholecystectomy.....	62	4.8	3.7	2.6	8.1	6.8	3.4	9.7	9.1	4.1
Hysterectomy.....	3	0.0	2.3	*	0.0	5.0	*	0.0	7.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 455
 Occupancy Rate..... 83
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 201
 Percent of Physicians Board Certified Specialists..... 63
 Medical Residents/Interns..... 0
 Registered Nurses..... 276
 Licensed Practical Nurses..... 64

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... Yes
 Comprehensive Geriatric..... Yes
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

KUAKINI MEDICAL CENTER

Medicare Provider Number: 120007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

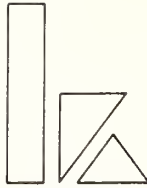
CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,345	10.5	11.6	1.1	15.2	17.5	1.0	19.1	21.9	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	64	28.1	26.1	6.9	32.8	29.8	8.7	35.9	33.5	8.0
Congestive Heart Failure.....	86	9.3	16.1	6.7	16.3	24.6	8.6	24.4	31.5	8.9
Pneumonia/Influenza.....	81	8.6	18.4	5.8	14.8	25.0	6.2	17.3	29.9	7.1
Chronic Obstructive Pulmonary Disease.....	16	18.8	6.9	*	18.8	12.7	*	31.3	17.7	*
Transient Cerebral Ischemia.....	30	0.0	2.4	*	0.0	5.5	*	0.0	8.9	*
Stroke.....	137	24.8	26.4	6.8	28.5	33.5	6.0	33.6	38.3	7.9
Hip Fracture.....	88	1.1	7.5	3.9	5.7	13.8	5.1	11.4	17.8	5.3
Sepsis.....	29	37.9	28.1	*	44.8	37.9	*	48.3	44.6	*
PROCEDURES:										
Angioplasty.....	23	0.0	2.7	*	0.0	3.5	*	0.0	4.4	*
Coronary Artery Bypass Graft.....	56	5.4	8.4	4.9	8.9	11.5	6.4	8.9	13.2	7.8
Initial Pacemaker Insertion.....	7	0.0	2.5	*	0.0	4.8	*	0.0	7.0	*
Carotid Endarterectomy.....	9	0.0	1.6	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction.....	28	3.6	3.9	*	7.1	7.5	*	14.3	10.0	*
Open Reduction of Hip Fracture.....	64	0.0	7.1	4.8	6.3	13.5	6.2	10.9	17.7	6.6
Prostatectomy.....	113	0.0	0.8	1.1	0.9	1.8	1.6	1.8	2.9	2.0
Cholecystectomy.....	80	3.7	3.3	2.2	3.7	6.3	3.4	5.0	8.6	4.5
Hysterectomy.....	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,420	8.8	11.7	2.6	15.2	17.7	2.2	18.9	22.1	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	64	28.1	30.4	6.1	34.4	34.0	6.1	37.5	37.5	6.1
Congestive Heart Failure.....	90	7.8	17.6	6.1	18.9	26.5	6.2	25.6	33.6	6.2
Pneumonia/Influenza.....	77	11.7	18.1	7.2	15.6	24.6	8.9	20.8	29.5	8.8
Chronic Obstructive Pulmonary Disease.....	12	8.3	10.6	*	16.7	18.3	*	16.7	24.3	*
Transient Cerebral Ischemia.....	38	2.6	2.2	*	7.9	4.9	*	7.9	7.9	*
Stroke.....	161	25.5	27.9	3.9	31.1	34.7	5.4	34.2	39.3	5.2
Hip Fracture.....	88	5.7	7.6	4.9	11.4	13.9	6.6	13.6	17.9	6.1
Sepsis.....	29	31.0	30.6	*	37.9	40.7	*	44.8	47.8	*
PROCEDURES:										
Angioplasty.....	19	0.0	5.0	*	0.0	5.9	*	0.0	7.0	*
Coronary Artery Bypass Graft.....	41	4.9	8.2	*	9.8	10.9	*	12.2	12.4	*
Initial Pacemaker Insertion.....	18	0.0	4.5	*	11.1	7.9	*	11.1	10.8	*
Carotid Endarterectomy.....	6	0.0	1.4	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction.....	26	7.7	5.9	*	11.5	11.1	*	15.4	14.7	*
Open Reduction of Hip Fracture.....	57	5.3	6.9	4.1	12.3	13.3	5.8	14.0	17.5	5.9
Prostatectomy.....	150	0.0	0.8	1.0	0.7	1.9	1.5	3.3	3.2	1.9
Cholecystectomy.....	68	4.4	3.0	2.5	8.8	5.6	4.1	8.8	7.5	3.6
Hysterectomy.....	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



KUAKINI MEDICAL CENTER

347 NORTH KUAKINI STREET / HONOLULU, HAWAII 96817
TELEPHONE (808) 536-2236 • FAX (808) 547-9547

January 14, 1991

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Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Kuakini Medical Center offers the following comments relative to the Medicare Hospital Mortality Information data which is scheduled for release in spring of 1991. First, we offer comments relating to the HCFA mortality model utilized in the data analysis. Second, we are providing additional information to clarify the data on one of the conditions, chronic obstructive pulmonary disease.

The narrative description of the mortality model (A-3, Technical Background insert) indicates a method of random selection of hospitalization if a Medicare beneficiary were hospitalized more than once in the fiscal year. While the random selection is made to eliminate double counting, it is not an accurate representation of observed mortality rates for the predetermined conditions and procedures. Kuakini Medical Center has a high percentage of Medicare patients where the average patient will have multiple admissions in a one year period because of chronic conditions and high severity of illness factors. The random selection methodology results in the omission of information in the data analysis for a predetermined condition and/or procedure in the following ways:

- 1) where the principal reason for admission was characterized in one of the predetermined conditions and/or procedure categories and the patient expired under another condition and/or procedure;

Health Care Financing Administration

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- 2) where the principal reason for admission was characterized in one of the predetermined conditions and/or procedure categories and the patient was discharged.

Additionally, in the HCFA patient-specific listing, 67.8% of Kuakini's Medicare patient admissions were listed as "not applicable", indicating that the patient's admission did not fall in any of the HCFA conditions/procedures. Therefore, less than one third of Kuakini's Medicare patient admissions were used to calculate the mortality rates for the eight conditions and nine procedures under review for the 1989 mortality statistics. Consideration of these factors is statistically significant in calculating observed mortality rates and determining predicted rates as well. With this in mind, and the exclusion of multiple admissions we question the validity and accuracy of the data release for any of the predetermined conditions and procedures.

Specific to the category of chronic obstructive pulmonary disease, 12 Medicare admissions were randomly selected from the total number of admissions during the 1989 fiscal year, from which a 16.7 observed mortality rate was derived. As a percentage of deaths, this rate represents a number too small to draw meaningful conclusions of patients who expired with this condition in general. When examining these chronic obstructive pulmonary disease cases, we found that the 16.7% represented 4 deaths with an average age of 80 years, and 3 of which were "no code" patients (patient-initiated decisions to not resuscitate in the event of a cardiac arrest) and conservative measures of comfort were applied.

The fourth case involved an 89 year old patient seen at Kuakini for 5 days and was discharged in stable condition to our home health care service. This patient presented to our emergency room 5 months later, in respiratory arrest, secondary to the terminal nature of the underlying chronic obstructive pulmonary disease, and expired.

In summary, Kuakini is submitting comment in order that the HCFA data is accurately interpreted to provide for meaningful conclusions. We feel, that the above

KULA HOSPITAL

204 Kula Highway

Kula, HI 96790

Medicare Provider Number: 120024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4	50.0	11.3	*	75.0	16.0	*	75.0	20.0	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	2	50.0	10.6	*	50.0	14.4	*	50.0	18.0	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 101
 Occupancy Rate..... 96
 Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 2
 Percent of Physicians Board Certified Specialists..... 100
 Medical Residents/Interns..... 0
 Registered Nurses..... 18
 Licensed Practical Nurses..... 6

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... Yes
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

KULA HOSPITAL
Medicare Provider Number: 120024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4	0.0	17.8	*	0.0	26.0	*	0.0	33.3	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4	25.0	13.1	*	50.0	17.9	*	50.0	22.6	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	1	0.0	24.4	*	0.0	28.4	*	0.0	33.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

LANAI COMMUNITY HOSPITAL

628 7th Street Box 797

Lanai City, HI 96763

Medicare Provider Number: 120015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	23	4.3	11.6	*	4.3	16.1	*	4.3	20.0	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	36.2	*	0.0	38.6	*	0.0	42.0	*
Congestive Heart Failure.....	1	0.0	22.7	*	0.0	33.2	*	0.0	41.3	*
Pneumonia/Influenza.....	1	0.0	11.8	*	0.0	16.4	*	0.0	20.7	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	1	0.0	3.4	*	0.0	8.1	*	0.0	13.4	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 14
 Occupancy Rate..... 50
 Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 2
 Percent of Physicians Board Certified Specialists..... (Not Available)
 Medical Residents/Interns..... 0
 Registered Nurses..... 7
 Licensed Practical Nurses..... 0

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

LANAI COMMUNITY HOSPITAL

Medicare Provider Number: 120015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	24	25.0	9.1	*	25.0	13.6	*	29.2	17.7	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	1	0.0	1.4	*	0.0	3.0	*	0.0	4.6	*
Stroke.....	1	0.0	20.8	*	0.0	31.2	*	0.0	37.3	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	25	8.0	16.8	*	16.0	22.8	*	16.0	28.0	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	23.7	*	50.0	27.2	*	50.0	31.4	*
Congestive Heart Failure.....	1	100.0	12.6	*	100.0	18.8	*	100.0	24.6	*
Pneumonia/Influenza.....	3	0.0	20.6	*	0.0	28.1	*	0.0	34.0	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	2	0.0	28.6	*	0.0	35.4	*	0.0	42.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MAUI MEMORIAL HOSPITAL

221 Mahalani Street
Wailuku, HI 96793

Medicare Provider Number: 120002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,379	7.6	8.4	1.2	12.0	12.8	1.6	14.8	16.4	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	36	30.6	23.6	*	36.1	27.0	*	41.7	30.4	*
Congestive Heart Failure.....	62	9.7	15.4	7.0	21.0	23.7	7.5	25.8	30.6	9.2
Pneumonia/Influenza.....	83	18.1	14.8	6.0	20.5	20.0	5.6	22.9	24.4	4.9
Chronic Obstructive Pulmonary Disease.....	20	5.0	7.6	*	15.0	13.1	*	20.0	18.1	*
Transient Cerebral Ischemia.....	22	0.0	1.5	*	0.0	3.3	*	0.0	5.3	*
Stroke.....	56	12.5	18.7	8.9	17.9	24.2	9.1	23.2	28.2	9.0
Hip Fracture.....	39	2.6	5.4	*	5.1	9.6	*	12.8	12.6	*
Sepsis.....	20	30.0	27.8	*	40.0	34.9	*	40.0	41.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	10	0.0	4.0	*	0.0	8.0	*	20.0	11.8	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	12	0.0	4.7	*	8.3	8.7	*	8.3	11.5	*
Open Reduction of Hip Fracture.....	18	0.0	4.7	*	0.0	8.8	*	16.7	11.6	*
Prostatectomy.....	40	0.0	1.6	*	0.0	3.8	*	7.5	6.2	*
Cholecystectomy.....	35	2.9	2.2	*	5.7	4.1	*	5.7	5.6	*
Hysterectomy.....	15	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 143
Occupancy Rate..... 80
Ownership/Control..... State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 159
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... 0
Registered Nurses..... 150
Licensed Practical Nurses..... 52

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

MAUI MEMORIAL HOSPITAL

Medicare Provider Number: 120002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,283	8.2	8.7	0.8	12.2	13.3	1.1	14.7	17.0	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	34	26.5	23.1	*	29.4	26.3	*	35.3	29.8	*
Congestive Heart Failure.....	57	14.0	15.4	5.3	17.5	23.5	8.9	22.8	30.0	11.8
Pneumonia/Influenza.....	54	11.1	13.7	5.4	18.5	19.0	5.9	18.5	23.3	8.4
Chronic Obstructive Pulmonary Disease.....	14	7.1	9.8	*	21.4	16.9	*	21.4	22.8	*
Transient Cerebral Ischemia.....	27	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Stroke.....	75	9.3	19.6	6.8	12.0	25.2	7.9	17.3	29.3	7.7
Hip Fracture.....	25	8.0	5.3	*	12.0	10.3	*	16.0	13.8	*
Sepsis.....	9	33.3	29.8	*	33.3	35.4	*	33.3	41.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	2.4	*	0.0	4.4	*	0.0	6.5	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	6	16.7	5.7	*	33.3	11.9	*	33.3	16.3	*
Open Reduction of Hip Fracture.....	11	0.0	4.3	*	0.0	8.7	*	0.0	11.8	*
Prostatectomy.....	36	0.0	1.7	*	2.8	3.9	*	2.8	6.2	*
Cholecystectomy.....	22	0.0	3.6	*	0.0	6.4	*	0.0	8.2	*
Hysterectomy.....	13	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,298	8.0	9.1	1.1	12.8	13.6	1.2	15.3	17.2	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	52	26.9	23.0	7.8	26.9	26.3	7.6	26.9	29.9	8.4
Congestive Heart Failure.....	63	7.9	15.2	5.9	15.9	23.6	7.5	19.0	30.6	9.4
Pneumonia/Influenza.....	77	11.7	15.5	5.4	22.1	21.3	4.7	24.7	26.1	5.2
Chronic Obstructive Pulmonary Disease.....	15	0.0	7.5	*	13.3	13.9	*	13.3	19.2	*
Transient Cerebral Ischemia.....	20	0.0	1.5	*	0.0	3.2	*	5.0	5.2	*
Stroke.....	73	15.1	20.2	7.7	21.9	26.1	10.6	24.7	30.4	10.2
Hip Fracture.....	20	0.0	4.8	*	0.0	9.3	*	5.0	12.6	*
Sepsis.....	13	30.8	27.9	*	46.2	35.3	*	46.2	41.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	4.7	*	0.0	8.8	*	0.0	12.7	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	5.0	*	0.0	8.6	*	0.0	11.4	*
Open Reduction of Hip Fracture.....	18	0.0	4.3	*	0.0	8.7	*	5.6	12.1	*
Prostatectomy.....	40	0.0	1.1	*	0.0	2.6	*	0.0	4.3	*
Cholecystectomy.....	33	3.0	3.1	*	6.1	5.5	*	6.1	7.1	*
Hysterectomy.....	5	0.0	0.7	*	0.0	1.2	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MOLOKAI GENERAL HOSPITAL

P O Box 408
Kaunakaki, HI 96748

Medicare Provider Number: 120009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	32	15.6	12.3	*	25.0	17.9	*	25.0	22.4	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	65.9	*	0.0	72.0	*	0.0	76.5	*
Congestive Heart Failure.....	5	40.0	14.5	*	60.0	20.8	*	60.0	27.1	*
Pneumonia/Influenza.....	1	0.0	11.2	*	0.0	15.4	*	0.0	19.4	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	1	0.0	41.8	*	0.0	52.2	*	0.0	63.9	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989		SPECIALTY SERVICES:	
Total Beds.....	30	Burn Unit.....	No
Occupancy Rate.....	60	Cardiac Intensive Care.....	No
Ownership/Control.....	Private, Non-Profit	Comprehensive Geriatric.....	No
STAFFING: (As of September 30, 1989)		Hospice Care.....	No
Total Number of Physicians.....	6	Medical/Surgical Intensive Care.....	No
Percent of Physicians Board Certified Specialists.....(Not Available)		Organ/Tissue Transplant.....	No
Medical Residents/Interns.....	0	Other Intensive Care.....	No
Registered Nurses.....	3	Rehabilitation Unit.....	No
Licensed Practical Nurses.....	3	Trauma Center.....	No

** Not used in calculating hospital mortality rates.

MOLOKAI GENERAL HOSPITAL

Medicare Provider Number: 120009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	47	6.4	9.3	*	19.1	14.7	*	21.3	19.5	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	28.4	*	0.0	30.7	*	0.0	33.8	*
Congestive Heart Failure.....	4	25.0	16.6	*	75.0	23.2	*	75.0	29.5	*
Pneumonia/Influenza.....	5	0.0	14.2	*	0.0	19.1	*	0.0	23.1	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	6.9	*	0.0	11.6	*	0.0	16.0	*
Transient Cerebral Ischemia.....	1	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Stroke.....	2	0.0	21.3	*	50.0	27.0	*	100.0	31.6	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	59	5.1	10.9	9.2	6.8	15.6	10.4	6.8	19.5	10.5
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	0.0	11.9	*	0.0	17.8	*	0.0	23.4	*
Pneumonia/Influenza.....	6	0.0	12.6	*	0.0	17.2	*	0.0	21.1	*
Chronic Obstructive Pulmonary Disease.....	1	100.0	53.1	*	100.0	73.8	*	100.0	83.7	*
Transient Cerebral Ischemia.....	4	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*
Stroke.....	2	0.0	26.7	*	50.0	34.1	*	50.0	39.2	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PALI MOMI MEDICAL CENTER

98-1079 Moanalua Road

Aiea, HI 96701

Medicare Provider Number: 120026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	30	6.7	12.8	*	6.7	18.6	*	10.0	22.4	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	50.0	10.1	*	50.0	14.0	*	50.0	17.5	*
Congestive Heart Failure.....	1	0.0	20.1	*	0.0	31.7	*	0.0	40.8	*
Pneumonia/Influenza.....	1	0.0	5.0	*	0.0	8.9	*	0.0	11.8	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	2	0.0	16.4	*	0.0	22.4	*	50.0	26.3	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	1.3	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds..... 116
 Ownership/Control..... Private, For Profit

STAFFING:

Medical Residents/Interns..... 0
 Registered Nurses..... 70
 Licensed Practical Nurses..... 10

SPECIALTY SERVICES:

Burn Unit..... No
 Coronary Care Unit..... No
 Hospice..... No
 Intensive Care Unit..... Yes
 Organ Transplant..... No
 Rehabilitation..... No
 Shock Trauma..... No

** Not used in calculating hospital mortality rates.

PALI MOMI MEDICAL CENTER

Medicare Provider Number: 120026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	0									
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	0									
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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PALI MOMI
MEDICAL CENTER

98-1079 Moanalua Road
Aiea, Hawaii 96701
(808) 486-6000
FAX (808) 488-1457

January 4, 1991


Gail R. Wilensky, PhD, Administrator
Dept of Health and Human Services
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Ms. Wilensky:

Thank you very much for the opportunity to review our first mortality statistics for Pali Momi Medical Center. As you are aware Pali Momi Medical Center opened on 7/31/89. We presently have 61 beds open with an average daily census of 42. The mortality data, reflects the first six months since opening and therefore the small numbers are statistically insignificant to obtain any meaningful determinations or trending. We look forward to next years release where we will have one and a half years experience and a larger patient population.

If you have any questions, please feel free to call us. Our number is 808-486-6000.

Sincerely,


Frances A. Hallonquist,
Chief Executive Officer

FAH:sa

cc: Bonnie Castonguay, R.N., Director of Quality Assurance

QUEENS MEDICAL CENTER

1301 Punchbowl St
Honolulu, HI 96813

Medicare Provider Number: 120001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,164	7.4	8.7	0.7	12.1	13.1	0.7	15.8	16.6	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	95	20.0	26.1	7.6	22.1	28.9	8.4	24.2	32.0	9.0
Congestive Heart Failure.....	110	13.6	14.0	3.6	20.9	21.7	4.0	27.3	28.2	4.4
Pneumonia/Influenza.....	85	9.4	14.6	4.8	12.9	20.1	5.8	21.2	24.5	5.0
Chronic Obstructive Pulmonary Disease.....	28	7.1	6.2	*	14.3	11.1	*	21.4	15.7	*
Transient Cerebral Ischemia.....	31	0.0	1.7	*	0.0	3.8	*	0.0	6.0	*
Stroke.....	127	14.2	23.2	5.8	21.3	29.4	6.4	26.8	33.9	5.1
Hip Fracture.....	81	3.7	6.3	3.5	8.6	11.0	4.1	9.9	14.0	5.8
Sepsis.....	24	20.8	21.6	*	25.0	30.0	*	25.0	36.1	*
PROCEDURES:										
Angioplasty.....	77	1.3	2.0	1.7	1.3	2.9	2.2	2.6	3.8	2.5
Coronary Artery Bypass Graft.....	131	6.9	5.1	2.4	11.5	7.7	4.0	11.5	9.5	3.7
Initial Pacemaker Insertion.....	31	0.0	3.0	*	6.5	5.8	*	9.7	8.6	*
Carotid Endarterectomy.....	14	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction.....	59	1.7	1.4	1.6	3.4	2.6	2.2	3.4	3.5	2.6
Open Reduction of Hip Fracture.....	56	3.6	5.1	3.5	7.1	9.6	5.5	7.1	12.7	6.8
Prostatectomy.....	155	1.3	0.8	0.8	1.9	1.8	1.3	3.9	2.9	1.8
Cholecystectomy.....	66	0.0	4.0	3.7	1.5	7.0	5.1	4.5	9.3	5.5
Hysterectomy.....	18	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 434
Occupancy Rate..... 90
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 510
Percent of Physicians Board Certified Specialists..... 68
Medical Residents/Interns..... 0
Registered Nurses..... 695
Licensed Practical Nurses..... 45

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

QUEENS MEDICAL CENTER

Medicare Provider Number: 120001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,229	7.4	9.2	0.7	12.2	13.9	0.8	15.3	17.6	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	82	30.5	28.1	5.4	35.4	31.5	5.5	36.6	35.1	5.3
Congestive Heart Failure.....	147	14.3	16.1	3.7	23.8	24.6	3.8	27.9	31.4	4.6
Pneumonia/Influenza.....	76	18.4	16.9	6.2	22.4	23.3	7.4	26.3	28.1	6.3
Chronic Obstructive Pulmonary Disease.....	31	3.2	5.7	*	12.9	10.7	*	16.1	15.1	*
Transient Cerebral Ischemia.....	44	0.0	2.1	*	0.0	4.7	*	4.5	7.3	*
Stroke.....	155	10.3	23.4	4.4	14.2	29.6	4.9	20.6	34.2	4.9
Hip Fracture.....	63	1.6	5.7	4.4	3.2	10.2	6.7	6.3	13.1	7.3
Sepsis.....	46	17.4	25.2	*	26.1	32.7	*	32.6	38.5	*
PROCEDURES:										
Angioplasty.....	57	3.5	3.8	3.9	3.5	5.1	3.4	5.3	6.5	3.5
Coronary Artery Bypass Graft.....	138	2.9	5.8	3.0	5.1	8.3	3.7	6.5	9.8	3.6
Initial Pacemaker Insertion.....	27	14.8	7.0	*	18.5	9.9	*	18.5	12.8	*
Carotid Endarterectomy.....	13	0.0	1.6	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction.....	63	3.2	2.1	2.4	3.2	4.0	2.6	6.3	5.5	3.2
Open Reduction of Hip Fracture.....	38	2.6	5.2	*	5.3	9.7	*	7.9	12.7	*
Prostatectomy.....	151	0.7	1.0	0.9	2.0	2.3	1.5	3.3	3.8	2.4
Cholecystectomy.....	50	2.0	4.5	*	6.0	8.0	*	12.0	10.1	*
Hysterectomy.....	26	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,358	7.7	9.0	0.6	12.8	13.5	1.1	15.9	17.0	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	96	26.0	29.0	4.7	35.4	32.2	4.8	36.5	35.7	5.5
Congestive Heart Failure.....	150	14.7	15.1	4.2	31.3	23.0	4.7	40.0	29.6	5.6
Pneumonia/Influenza.....	70	8.6	14.3	6.0	12.9	19.7	7.8	14.3	24.1	10.0
Chronic Obstructive Pulmonary Disease.....	29	3.4	6.5	*	10.3	11.6	*	13.8	15.8	*
Transient Cerebral Ischemia.....	35	0.0	2.3	*	2.9	4.9	*	2.9	7.8	*
Stroke.....	160	18.1	24.1	4.4	20.6	30.1	5.3	23.7	34.5	5.9
Hip Fracture.....	73	0.0	5.9	6.4	4.1	10.8	7.4	8.2	14.2	6.8
Sepsis.....	39	35.9	32.7	*	43.6	42.9	*	48.7	50.1	*
PROCEDURES:										
Angioplasty.....	42	2.4	2.7	*	2.4	3.5	*	2.4	4.4	*
Coronary Artery Bypass Graft.....	109	5.5	5.9	2.8	7.3	7.8	2.6	10.1	9.0	2.9
Initial Pacemaker Insertion.....	21	0.0	6.8	*	4.8	10.7	*	9.5	14.3	*
Carotid Endarterectomy.....	12	8.3	1.3	*	8.3	2.3	*	8.3	3.3	*
Hip Replacement/Reconstruction.....	58	0.0	1.8	2.7	1.7	3.4	3.4	3.4	4.6	3.9
Open Reduction of Hip Fracture.....	49	0.0	5.3	*	4.1	10.3	*	8.2	13.7	*
Prostatectomy.....	166	0.0	0.8	1.1	1.8	1.9	1.1	3.0	3.2	1.4
Cholecystectomy.....	64	1.6	2.5	2.1	3.1	4.8	3.5	4.7	6.7	4.0
Hysterectomy.....	34	0.0	0.5	*	2.9	0.9	*	2.9	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST FRANCIS HOSPITAL

2230 Liliha Street
Honolulu, HI 96817

Medicare Provider Number: 120010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,888	9.3	9.5	0.7	14.9	14.6	1.1	19.2	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	48	16.7	26.1	*	22.9	29.8	*	29.2	33.5	*
Congestive Heart Failure.....	66	9.1	13.3	6.9	18.2	20.9	8.2	25.8	27.2	6.2
Pneumonia/Influenza.....	62	11.3	13.9	5.0	12.9	19.2	7.0	16.1	23.4	8.8
Chronic Obstructive Pulmonary Disease.....	14	14.3	8.5	*	14.3	14.3	*	14.3	18.8	*
Transient Cerebral Ischemia.....	19	0.0	2.0	*	5.3	4.5	*	5.3	7.2	*
Stroke.....	119	20.2	20.7	3.8	25.2	27.6	5.2	28.6	32.1	6.1
Hip Fracture.....	51	3.9	6.2	4.6	3.9	11.2	8.2	7.8	14.6	9.4
Sepsis.....	39	30.8	19.8	*	38.5	28.7	*	46.2	35.0	*
PROCEDURES:										
Angioplasty.....	21	0.0	2.5	*	0.0	3.4	*	0.0	4.5	*
Coronary Artery Bypass Graft.....	22	18.2	4.8	*	31.8	6.5	*	31.8	7.6	*
Initial Pacemaker Insertion.....	10	0.0	1.9	*	0.0	3.9	*	0.0	5.7	*
Carotid Endarterectomy.....	2	0.0	1.2	*	0.0	2.6	*	0.0	3.6	*
Hip Replacement/Reconstruction.....	9	11.1	1.2	*	11.1	2.4	*	11.1	3.6	*
Open Reduction of Hip Fracture.....	40	5.0	5.7	*	5.0	10.6	*	10.0	13.9	*
Prostatectomy.....	80	0.0	1.1	1.5	0.0	2.6	3.1	5.0	4.2	2.4
Cholecystectomy.....	46	2.2	2.5	*	8.7	4.6	*	10.9	6.0	*
Hysterectomy.....	2	0.0	3.3	*	50.0	7.6	*	100.0	11.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 222
Occupancy Rate..... 85
Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 130
Percent of Physicians Board Certified Specialists..... 62
Medical Residents/Interns..... 20
Registered Nurses..... 287
Licensed Practical Nurses..... 70

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... Yes
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

ST FRANCIS HOSPITAL
Medicare Provider Number: 120010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,734	9.3	9.7	0.8	14.6	14.8	0.9	18.8	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	31	12.9	22.9	*	16.1	26.6	*	19.4	30.1	*
Congestive Heart Failure.....	56	14.3	14.9	4.8	17.9	22.7	6.8	30.4	29.3	6.2
Pneumonia/Influenza.....	72	13.9	15.4	4.4	19.4	21.4	5.4	25.0	26.0	5.6
Chronic Obstructive Pulmonary Disease.....	9	22.2	8.0	*	33.3	13.3	*	33.3	18.1	*
Transient Cerebral Ischemia.....	20	0.0	2.3	*	0.0	5.2	*	0.0	8.2	*
Stroke.....	85	18.8	21.5	5.2	24.7	28.4	6.5	29.4	33.0	5.9
Hip Fracture.....	31	9.7	7.9	*	19.4	14.3	*	19.4	18.5	*
Sepsis.....	39	23.1	23.0	*	30.8	29.7	*	33.3	35.0	*
PROCEDURES:										
Angioplasty.....	24	0.0	6.5	*	4.2	7.5	*	4.2	8.7	*
Coronary Artery Bypass Graft.....	31	6.5	5.8	*	12.9	7.8	*	12.9	8.9	*
Initial Pacemaker Insertion.....	4	25.0	14.9	*	25.0	17.6	*	25.0	20.6	*
Carotid Endarterectomy.....	3	0.0	1.7	*	0.0	3.3	*	0.0	5.0	*
Hip Replacement/Reconstruction.....	8	0.0	5.1	*	12.5	9.7	*	12.5	12.7	*
Open Reduction of Hip Fracture.....	23	8.7	6.8	*	17.4	13.2	*	17.4	17.6	*
Prostatectomy.....	98	1.0	0.9	1.0	1.0	2.3	1.9	3.1	3.9	2.3
Cholecystectomy.....	42	2.4	3.4	*	4.8	6.2	*	7.1	8.1	*
Hysterectomy.....	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,649	10.2	10.4	0.8	16.1	15.7	1.0	19.7	19.7	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	38	23.7	28.7	*	28.9	32.3	*	34.2	36.0	*
Congestive Heart Failure.....	73	17.8	14.7	4.6	24.7	22.5	6.1	37.0	29.1	8.8
Pneumonia/Influenza.....	57	21.1	15.8	11.0	28.1	21.9	12.8	33.3	26.5	12.8
Chronic Obstructive Pulmonary Disease.....	12	8.3	12.0	*	8.3	20.7	*	8.3	27.1	*
Transient Cerebral Ischemia.....	21	0.0	2.0	*	4.8	4.4	*	4.8	7.1	*
Stroke.....	86	17.4	21.8	9.1	24.4	29.0	8.9	29.1	33.5	7.1
Hip Fracture.....	33	3.0	7.1	*	3.0	12.8	*	9.1	16.6	*
Sepsis.....	33	21.2	24.9	*	36.4	32.4	*	39.4	37.7	*
PROCEDURES:										
Angioplasty.....	10	0.0	3.0	*	0.0	3.6	*	0.0	4.5	*
Coronary Artery Bypass Graft.....	26	11.5	5.8	*	15.4	8.0	*	15.4	9.2	*
Initial Pacemaker Insertion.....	11	0.0	3.4	*	9.1	7.4	*	9.1	11.0	*
Carotid Endarterectomy.....	2	0.0	2.2	*	0.0	4.2	*	0.0	6.1	*
Hip Replacement/Reconstruction.....	7	0.0	5.7	*	0.0	10.4	*	14.3	13.7	*
Open Reduction of Hip Fracture.....	22	0.0	5.3	*	0.0	10.4	*	0.0	14.0	*
Prostatectomy.....	78	1.3	0.7	1.3	1.3	1.8	2.7	3.8	3.0	3.0
Cholecystectomy.....	61	3.3	3.7	2.5	6.6	6.4	3.9	6.6	8.3	4.6
Hysterectomy.....	3	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

STRAUB HOSPITAL

888 So King Street
Honolulu, HI 96813

Medicare Provider Number: 120022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,895	7.0	8.9	1.3	11.5	13.6	1.4	14.7	17.3	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	63	15.9	25.8	6.6	15.9	28.9	7.6	15.9	32.2	10.0
Congestive Heart Failure.....	61	14.8	16.1	5.1	21.3	24.6	5.9	23.0	31.5	8.2
Pneumonia/Influenza.....	43	7.0	13.9	*	11.6	18.6	*	11.6	22.6	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	6.7	*	0.0	11.2	*	25.0	15.1	*
Transient Cerebral Ischemia.....	27	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke.....	92	9.8	21.0	6.3	16.3	26.9	6.8	19.6	31.1	7.0
Hip Fracture.....	41	2.4	7.0	*	9.8	12.4	*	12.2	15.9	*
Sepsis.....	27	22.2	20.6	*	25.9	26.5	*	33.3	31.0	*
PROCEDURES:										
Angioplasty.....	35	2.9	2.9	*	2.9	3.6	*	5.7	4.6	*
Coronary Artery Bypass Graft.....	66	6.1	5.5	4.4	10.6	7.8	4.6	10.6	9.4	4.1
Initial Pacemaker Insertion.....	9	0.0	5.7	*	11.1	9.4	*	11.1	12.2	*
Carotid Endarterectomy.....	29	0.0	1.6	*	0.0	2.9	*	3.4	4.3	*
Hip Replacement/Reconstruction.....	30	3.3	3.3	*	10.0	6.2	*	10.0	8.1	*
Open Reduction of Hip Fracture.....	20	0.0	6.7	*	5.0	12.3	*	10.0	16.0	*
Prostatectomy.....	58	3.4	0.8	2.5	3.4	2.0	2.3	3.4	3.5	2.9
Cholecystectomy.....	44	0.0	3.5	*	0.0	6.4	*	2.3	8.4	*
Hysterectomy.....	12	0.0	1.2	*	0.0	2.7	*	0.0	4.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS ****SOURCE:** Health Care Financing Administration (OSCAR) - 1988

Total Beds..... 159
Ownership/Control..... Private, For Profit

STAFFING:

Medical Residents/Interns..... 3
Registered Nurses..... 168
Licensed Practical Nurses..... 37

SPECIALTY SERVICES:

Burn Unit..... Yes
Coronary Care Unit..... Yes
Hospice..... Yes
Intensive Care Unit..... Yes
Organ Transplant..... Yes
Rehabilitation..... Yes
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

STRAUB HOSPITAL
Medicare Provider Number: 120022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,879	6.4	8.4	0.9	10.3	13.0	1.0	13.0	16.7	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	62	12.9	28.6	8.8	17.7	31.9	8.7	22.6	35.5	8.3
Congestive Heart Failure.....	50	12.0	17.4	*	20.0	26.0	*	24.0	32.8	*
Pneumonia/Influenza.....	33	3.0	14.3	*	9.1	19.5	*	12.1	23.6	*
Chronic Obstructive Pulmonary Disease.....	8	25.0	12.2	*	25.0	17.9	*	25.0	21.4	*
Transient Cerebral Ischemia.....	27	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke.....	75	16.0	21.9	7.0	20.0	28.4	8.8	20.0	32.9	11.3
Hip Fracture.....	45	4.4	6.3	*	6.7	11.3	*	11.1	14.7	*
Sepsis.....	18	11.1	21.3	*	11.1	28.8	*	22.2	33.9	*
PROCEDURE:										
Angioplasty.....	39	0.0	2.8	*	0.0	3.5	*	0.0	4.4	*
Coronary Artery Bypass Graft.....	57	5.3	6.2	3.5	8.8	8.3	4.1	8.8	9.7	4.3
Initial Pacemaker Insertion.....	15	13.3	4.6	*	13.3	6.9	*	13.3	9.3	*
Carotid Endarterectomy.....	23	8.7	1.3	*	8.7	2.4	*	8.7	3.5	*
Hip Replacement/Reconstruction.....	33	0.0	3.3	*	6.1	6.3	*	9.1	8.5	*
Open Reduction of Hip Fracture.....	27	3.7	5.8	*	3.7	10.9	*	7.4	14.5	*
Prostatectomy.....	81	0.0	0.8	*	0.0	2.0	*	0.0	3.2	*
Cholecystectomy.....	47	2.1	2.8	*	4.3	4.7	*	6.4	6.0	*
Hysterectomy.....	17	0.0	0.6	*	5.9	1.0	*	5.9	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,865	8.0	8.9	1.0	12.5	13.7	1.3	16.0	17.4	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	75	25.3	29.8	10.0	26.7	32.9	10.8	29.3	36.4	12.2
Congestive Heart Failure.....	60	18.3	17.5	5.3	26.7	26.4	10.2	43.3	33.8	9.5
Pneumonia/Influenza.....	50	14.0	14.4	*	14.0	19.6	*	14.0	23.8	*
Chronic Obstructive Pulmonary Disease.....	14	14.3	9.6	*	28.6	16.0	*	28.6	21.1	*
Transient Cerebral Ischemia.....	17	0.0	1.5	*	5.9	3.4	*	11.8	5.3	*
Stroke.....	97	11.3	21.5	5.8	16.5	28.4	6.5	19.6	33.0	7.1
Hip Fracture.....	35	5.7	5.7	*	5.7	10.3	*	8.6	13.4	*
Sepsis.....	25	28.0	22.0	*	40.0	30.9	*	52.0	37.1	*
PROCEDURES:										
Angioplasty.....	23	0.0	5.4	*	0.0	6.9	*	0.0	8.4	*
Coronary Artery Bypass Graft.....	58	1.7	5.3	3.8	1.7	7.1	4.7	1.7	8.3	5.2
Initial Pacemaker Insertion.....	21	4.8	3.7	*	9.5	6.5	*	14.3	9.1	*
Carotid Endarterectomy.....	20	0.0	1.9	*	0.0	3.6	*	0.0	5.2	*
Hip Replacement/Reconstruction.....	30	10.0	3.0	*	10.0	5.6	*	10.0	7.5	*
Open Reduction of Hip Fracture.....	18	5.6	5.2	*	5.6	9.7	*	11.1	12.8	*
Prostatectomy.....	63	0.0	1.1	1.7	1.6	2.8	2.7	3.2	4.8	3.6
Cholecystectomy.....	41	2.4	2.1	*	2.4	3.6	*	4.9	4.6	*
Hysterectomy.....	11	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WAHIAWA GENERAL HOSPITAL

128 Lehua Street
Wahiawa, HI 96786

Medicare Provider Number: 120004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	516	10.3	11.6	2.4	16.3	17.5	4.0	19.8	21.9	3.6
CONDITIONS:										
Acute Myocardial Infarction.....	21	23.8	32.4	*	23.8	35.8	*	23.8	39.5	*
Congestive Heart Failure.....	45	15.6	18.6	*	24.4	28.5	*	31.1	36.2	*
Pneumonia/Influenza.....	39	17.9	15.8	*	28.2	21.9	*	30.8	26.3	*
Chronic Obstructive Pulmonary Disease.....	8	0.0	3.9	*	0.0	7.7	*	0.0	11.7	*
Transient Cerebral Ischemia.....	8	0.0	2.2	*	0.0	5.1	*	0.0	8.1	*
Stroke.....	27	18.5	16.8	*	18.5	22.7	*	25.9	26.7	*
Hip Fracture.....	17	0.0	7.4	*	11.8	13.3	*	11.8	17.3	*
Sepsis.....	12	8.3	22.4	*	25.0	28.2	*	33.3	33.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	7	0.0	5.9	*	0.0	12.0	*	0.0	17.0	*
Open Reduction of Hip Fracture.....	10	0.0	7.5	*	20.0	14.4	*	20.0	19.0	*
Prostatectomy.....	12	0.0	1.3	*	8.3	3.0	*	8.3	4.9	*
Cholecystectomy.....	19	5.3	2.2	*	5.3	3.8	*	5.3	4.9	*
Hysterectomy.....	4	0.0	1.0	*	0.0	2.3	*	0.0	3.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 162
Occupancy Rate..... 86
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 46
Percent of Physicians Board Certified Specialists..... 70
Medical Residents/Interns..... 0
Registered Nurses..... 60
Licensed Practical Nurses..... 26

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

WAHIAWA GENERAL HOSPITAL

Medicare Provider Number: 120004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	588	9.0	11.0	1.9	15.1	16.5	1.9	19.6	20.7	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	16	6.3	33.6	*	18.8	37.4	*	18.8	41.2	*
Congestive Heart Failure.....	41	14.6	16.8	*	26.8	25.6	*	34.1	32.8	*
Pneumonia/Influenza.....	25	16.0	17.4	*	24.0	24.0	*	28.0	28.4	*
Chronic Obstructive Pulmonary Disease.....	5	0.0	5.2	*	20.0	9.7	*	20.0	13.4	*
Transient Cerebral Ischemia.....	18	0.0	1.8	*	5.6	3.8	*	5.6	6.0	*
Stroke.....	38	10.5	19.0	*	18.4	25.2	*	23.7	29.4	*
Hip Fracture.....	18	0.0	6.8	*	5.6	12.0	*	5.6	15.4	*
Sepsis.....	10	0.0	22.0	*	10.0	31.8	*	20.0	38.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	0.0	8.0	*	0.0	13.6	*	0.0	17.7	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	5	20.0	5.3	*	40.0	10.1	*	40.0	13.5	*
Open Reduction of Hip Fracture.....	13	0.0	6.5	*	0.0	11.9	*	0.0	15.2	*
Prostatectomy.....	26	0.0	1.2	*	0.0	3.0	*	0.0	4.9	*
Cholecystectomy.....	16	0.0	1.8	*	0.0	3.2	*	0.0	4.1	*
Hysterectomy.....	4	0.0	0.5	*	0.0	1.0	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	619	10.0	11.1	2.9	14.9	16.7	4.3	19.2	20.8	5.8
CONDITIONS:										
Acute Myocardial Infarction.....	25	28.0	32.5	*	32.0	36.3	*	36.0	40.1	*
Congestive Heart Failure.....	47	12.8	15.1	*	27.7	22.8	*	34.0	29.5	*
Pneumonia/Influenza.....	29	10.3	14.8	*	17.2	21.7	*	24.1	26.7	*
Chronic Obstructive Pulmonary Disease.....	14	7.1	6.3	*	14.3	11.3	*	21.4	15.6	*
Transient Cerebral Ischemia.....	15	6.7	2.8	*	6.7	6.5	*	6.7	10.5	*
Stroke.....	33	15.2	25.5	*	21.2	33.0	*	27.3	37.6	*
Hip Fracture.....	21	9.5	7.5	*	14.3	14.0	*	23.8	18.5	*
Sepsis.....	6	50.0	27.6	*	50.0	33.6	*	66.7	38.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	2.6	*	0.0	5.6	*	0.0	8.6	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	9.3	*	0.0	15.6	*	0.0	19.4	*
Open Reduction of Hip Fracture.....	17	11.8	7.1	*	17.6	13.9	*	29.4	18.7	*
Prostatectomy.....	31	3.2	0.9	*	3.2	2.0	*	3.2	3.1	*
Cholecystectomy.....	11	0.0	1.8	*	0.0	3.2	*	0.0	4.1	*
Hysterectomy.....	5	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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WAHIAWA GENERAL HOSPITAL

E' Ulu A Mālama Nou / Growing & Caring for You

128 Lehua Street/P.O. Box 580, Wahiawa, Hawaii 96786 Phone (808) 621-8411

January 8, 1990

Medicare No. 12-0004

Health Care Financing Administration
Health Standards and Quality Bureau
Attention Mrs. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have received and reviewed our hospital specific mortality data. Errors in the data we received have been identified and corrected on a separate sheet.

While our actual mortality rates appear to be within acceptable ranges for our facility, we would refrain from making quality related conclusions based on this data for two reasons.

Numbers for our rural facility are small in the various categories and, hence, become statistically unreliable.

Also, an appropriate assessment of a hospital's quality of care depends upon the review of many different variables. To assure its goal of providing quality patient care, Wahiawa General Hospital operates a system-wide quality assurance program which provides for the regular examination of many different quality indicators to gauge performance and which recognizes that mortality review is, in effect, only one indicator which may or may not reflect quality. As part of this program, such a review is conducted by the medical staff on an on-going, case-by-case basis.

Sincerely,

WAHIAWA GENERAL HOSPITAL

David C. Hill
President

Nevada

BATTLE MOUNTAIN GENERAL HOSPITAL

6th and Humboldt Street
Battle Mountain, NV 89820

Medicare Provider Number: 290013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	23	21.7	8.4	*	21.7	12.3	*	34.8	16.0	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	22.8	*	0.0	26.5	*	100.0	30.9	*
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	7	42.9	10.9	*	42.9	15.1	*	42.9	18.9	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	4.0	*	0.0	7.3	*	0.0	10.5	*
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	23.2	*	0.0	29.8	*	100.0	35.1	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 15
Occupancy Rate..... 13
Ownership/Control..... District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

BATTLE MOUNTAIN GENERAL HOSPITAL

Medicare Provider Number: 290013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	29	17.2	9.1	*	24.1	13.5	*	24.1	17.2	*
CONDITIONS:										
Acute Myocardial Infarction.....	3	0.0	20.7	*	0.0	23.5	*	0.0	27.2	*
Congestive Heart Failure.....	2	100.0	17.0	*	100.0	29.0	*	100.0	38.0	*
Pneumonia/Influenza.....	3	0.0	14.9	*	0.0	21.1	*	0.0	26.0	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	2.9	*	0.0	5.3	*	0.0	7.6	*
Transient Cerebral Ischemia.....	1	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Stroke.....	1	100.0	16.5	*	100.0	21.4	*	100.0	25.8	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24	12.5	12.5	*	16.7	17.1	*	33.3	21.2	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	17.8	*	0.0	20.4	*	50.0	23.1	*
Congestive Heart Failure.....	1	0.0	19.7	*	0.0	33.3	*	100.0	43.9	*
Pneumonia/Influenza.....	2	0.0	18.1	*	0.0	25.5	*	0.0	31.2	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BOULDER CITY HOSPITAL

901 Adams Boulevard
Boulder City, NV 89005

Medicare Provider Number: 290010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	253	9.5	10.1	4.0	16.2	15.3	7.8	19.8	19.7	7.8
CONDITIONS:										
Acute Myocardial Infarction.....	6	0.0	22.1	*	16.7	25.0	*	16.7	28.1	*
Congestive Heart Failure.....	21	9.5	13.8	*	19.0	21.0	*	19.0	27.6	*
Pneumonia/Influenza.....	40	12.5	15.0	*	17.5	20.6	*	17.5	25.1	*
Chronic Obstructive Pulmonary Disease.....	7	14.3	10.7	*	14.3	16.9	*	28.6	22.3	*
Transient Cerebral Ischemia.....	2	0.0	2.2	*	0.0	5.1	*	0.0	8.3	*
Stroke.....	6	0.0	15.2	*	0.0	22.5	*	16.7	27.2	*
Hip Fracture.....	1	0.0	9.6	*	0.0	19.2	*	0.0	26.7	*
Sepsis.....	6	50.0	26.8	*	50.0	33.0	*	50.0	38.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	13	0.0	1.1	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy.....	8	0.0	1.4	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy.....	3	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 35
Occupancy Rate..... 57
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 17
Percent of Physicians Board Certified Specialists..... 12
Medical Residents/Interns..... 0
Registered Nurses..... 15
Licensed Practical Nurses..... 0

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

BOULDER CITY HOSPITAL
Medicare Provider Number: 290010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	234	9.0	9.6	2.0	15.4	14.0	2.6	19.7	17.7	4.6
CONDITIONS:										
Acute Myocardial Infarction.....	6	16.7	25.9	*	33.3	29.7	*	33.3	33.3	*
Congestive Heart Failure.....	14	0.0	12.9	*	14.3	18.8	*	14.3	24.6	*
Pneumonia/Influenza.....	27	14.8	15.6	*	22.2	20.9	*	22.2	25.2	*
Chronic Obstructive Pulmonary Disease.....	5	0.0	3.9	*	20.0	7.7	*	40.0	11.1	*
Transient Cerebral Ischemia.....	6	0.0	2.4	*	0.0	5.6	*	0.0	9.0	*
Stroke.....	13	23.1	24.1	*	23.1	30.4	*	30.8	34.7	*
Hip Fracture.....	0									
Sepsis.....	2	0.0	16.9	*	0.0	21.5	*	0.0	26.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	11	0.0	1.0	*	0.0	2.6	*	0.0	4.6	*
Cholecystectomy.....	6	0.0	2.3	*	0.0	3.9	*	0.0	4.8	*
Hysterectomy.....	3	0.0	0.7	*	0.0	1.4	*	0.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	208	8.2	9.6	3.4	12.0	14.4	3.5	13.0	18.2	5.6
CONDITIONS:										
Acute Myocardial Infarction.....	4	50.0	34.3	*	50.0	38.6	*	50.0	42.6	*
Congestive Heart Failure.....	14	7.1	14.0	*	21.4	20.0	*	21.4	25.8	*
Pneumonia/Influenza.....	36	11.1	12.7	*	11.1	17.6	*	13.9	21.6	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	8.5	*	0.0	13.6	*	0.0	17.9	*
Transient Cerebral Ischemia.....	7	0.0	1.6	*	0.0	3.6	*	14.3	5.7	*
Stroke.....	5	0.0	15.8	*	20.0	22.4	*	20.0	26.8	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	4.1	*	0.0	7.4	*	0.0	10.2	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	5	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy.....	2	0.0	2.3	*	0.0	4.3	*	0.0	5.5	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CARSON-TAHOE HOSPITAL

1201 N Mountain St
Carson City, NV 89701

Medicare Provider Number: 290019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,110	9.9	8.6	3.1	14.2	12.7	4.3	17.4	15.9	4.2
CONDITIONS:										
Acute Myocardial Infarction.....	42	23.8	26.8	*	23.8	30.3	*	28.6	34.1	*
Congestive Heart Failure.....	56	7.1	14.5	5.7	10.7	22.4	7.7	17.9	29.0	8.5
Pneumonia/Influenza.....	64	12.5	13.7	4.5	20.3	18.8	5.1	23.4	23.0	5.9
Chronic Obstructive Pulmonary Disease.....	23	17.4	7.6	*	17.4	12.1	*	26.1	16.2	*
Transient Cerebral Ischemia.....	10	0.0	2.2	*	0.0	5.3	*	0.0	8.4	*
Stroke.....	37	37.8	19.6	*	40.5	26.4	*	43.2	31.0	*
Hip Fracture.....	54	5.6	5.4	3.3	7.4	9.7	4.5	14.8	12.6	5.4
Sepsis.....	11	45.5	29.5	*	63.6	37.1	*	63.6	44.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	1.8	*	0.0	3.9	*	0.0	6.5	*
Carotid Endarterectomy.....	4	25.0	1.0	*	25.0	1.8	*	25.0	2.6	*
Hip Replacement/Reconstruction.....	16	6.3	1.1	*	6.3	2.0	*	6.3	2.9	*
Open Reduction of Hip Fracture.....	20	5.0	5.9	*	5.0	11.0	*	20.0	14.5	*
Prostatectomy.....	89	1.1	0.5	1.7	2.2	1.3	2.5	4.5	2.2	2.7
Cholecystectomy.....	34	5.9	3.1	*	8.8	5.3	*	8.8	6.8	*
Hysterectomy.....	9	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 105
Occupancy Rate..... 55
Ownership/Control..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 54
Percent of Physicians Board Certified Specialists..... 87
Medical Residents/Interns..... 0
Registered Nurses..... 78
Licensed Practical Nurses..... 17

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

CARSON-TAHOE HOSPITAL

Medicare Provider Number: 290019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,087	11.2	8.1	1.1	14.4	12.1	1.1	17.1	15.4	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	39	38.5	24.7	*	38.5	27.6	*	41.0	30.9	*
Congestive Heart Failure.....	53	17.0	12.8	6.3	20.8	19.4	5.7	26.4	25.3	6.1
Pneumonia/Influenza.....	63	15.9	15.1	5.6	20.6	20.6	5.1	23.8	24.9	5.5
Chronic Obstructive Pulmonary Disease.....	22	4.5	10.0	*	9.1	15.8	*	9.1	20.8	*
Transient Cerebral Ischemia.....	6	0.0	1.5	*	0.0	3.4	*	0.0	5.4	*
Stroke.....	47	14.9	19.0	*	17.0	24.8	*	27.7	29.0	*
Hip Fracture.....	40	12.5	6.3	*	17.5	11.8	*	20.0	15.5	*
Sepsis.....	12	41.7	28.2	*	50.0	34.7	*	58.3	40.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	25.0	8.2	*	25.0	14.9	*	25.0	19.9	*
Carotid Endarterectomy.....	9	0.0	1.0	*	0.0	1.7	*	11.1	2.5	*
Hip Replacement/Reconstruction.....	18	0.0	1.8	*	0.0	3.8	*	0.0	5.3	*
Open Reduction of Hip Fracture.....	18	11.1	5.7	*	16.7	11.4	*	22.2	15.6	*
Prostatectomy.....	74	1.4	0.7	1.2	2.7	1.7	1.6	2.7	3.0	2.0
Cholecystectomy.....	32	3.1	2.2	*	3.1	4.0	*	3.1	5.4	*
Hysterectomy.....	7	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	969	12.8	8.4	4.2	17.6	12.6	4.6	20.9	15.9	4.3
CONDITIONS:										
Acute Myocardial Infarction.....	36	36.1	28.0	*	41.7	31.3	*	50.0	34.9	*
Congestive Heart Failure.....	26	34.6	14.1	*	50.0	21.6	*	50.0	28.1	*
Pneumonia/Influenza.....	49	16.3	13.8	*	22.4	19.2	*	30.6	23.5	*
Chronic Obstructive Pulmonary Disease.....	18	11.1	8.5	*	27.8	14.7	*	27.8	19.9	*
Transient Cerebral Ischemia.....	5	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Stroke.....	40	32.5	22.6	*	35.0	30.0	*	37.5	34.9	*
Hip Fracture.....	37	10.8	6.0	*	16.2	10.9	*	21.6	14.2	*
Sepsis.....	3	0.0	23.4	*	33.3	29.6	*	33.3	34.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	33.3	1.5	*	33.3	3.4	*	33.3	5.3	*
Carotid Endarterectomy.....	10	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction.....	11	18.2	3.1	*	36.4	6.5	*	36.4	9.3	*
Open Reduction of Hip Fracture.....	16	6.3	5.1	*	12.5	9.7	*	18.8	12.9	*
Prostatectomy.....	73	0.0	0.7	1.6	1.4	1.7	2.6	4.1	2.9	3.2
Cholecystectomy.....	31	3.2	2.5	*	3.2	4.1	*	3.2	5.4	*
Hysterectomy.....	5	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CHURCHILL REGIONAL MEDICAL CENTER

155 N Taylor St

Fallon, NV 89406

Medicare Provider Number: 290006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	199	8.5	10.9	7.1	13.6	15.9	10.8	15.1	19.9	15.2
CONDITIONS:										
Acute Myocardial Infarction.....	7	0.0	26.1	*	14.3	29.6	*	14.3	32.9	*
Congestive Heart Failure.....	22	9.1	13.4	*	13.6	20.7	*	18.2	27.2	*
Pneumonia/Influenza.....	39	7.7	13.9	*	10.3	19.1	*	10.3	23.2	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	4.5	*	0.0	8.4	*	0.0	12.0	*
Transient Cerebral Ischemia.....	7	0.0	1.9	*	0.0	4.3	*	0.0	6.9	*
Stroke.....	6	50.0	17.3	*	50.0	22.7	*	50.0	26.8	*
Hip Fracture.....	1	0.0	9.4	*	100.0	17.9	*	100.0	23.8	*
Sepsis.....	4	50.0	27.4	*	75.0	34.5	*	75.0	40.4	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	4	0.0	0.6	*	0.0	1.6	*	0.0	3.0	*
Cholecystectomy.....	3	0.0	1.3	*	0.0	2.2	*	0.0	2.7	*
Hysterectomy.....	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 40
 Occupancy Rate..... 23
 Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
 Percent of Physicians Board Certified Specialists..... (Not Available)
 Medical Residents/Interns..... (Not Available)
 Registered Nurses..... (Not Available)
 Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

CHURCHILL REGIONAL MEDICAL CENTER

Medicare Provider Number: 290006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	189	11.6	9.4	2.7	16.4	13.5	3.3	19.0	17.0	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	9	22.2	36.9	*	22.2	41.6	*	33.3	45.5	*
Congestive Heart Failure.....	15	20.0	16.9	*	26.7	26.2	*	26.7	33.7	*
Pneumonia/Influenza.....	21	4.8	12.0	*	9.5	16.1	*	9.5	19.7	*
Chronic Obstructive Pulmonary Disease.....	5	0.0	4.8	*	0.0	8.3	*	0.0	12.1	*
Transient Cerebral Ischemia.....	2	0.0	2.2	*	0.0	4.6	*	0.0	7.1	*
Stroke.....	12	25.0	19.9	*	33.3	25.9	*	41.7	30.7	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	32.8	*	100.0	36.5	*	100.0	41.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	2	0.0	0.3	*	50.0	0.7	*	50.0	1.4	*
Cholecystectomy.....	3	0.0	1.3	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	223	13.9	9.4	5.1	21.5	13.9	8.7	24.7	17.7	9.7
CONDITIONS:										
Acute Myocardial Infarction.....	6	50.0	27.9	*	66.7	30.9	*	66.7	33.9	*
Congestive Heart Failure.....	22	13.6	16.7	*	36.4	25.0	*	45.5	31.7	*
Pneumonia/Influenza.....	30	30.0	16.6	*	36.7	22.7	*	40.0	27.7	*
Chronic Obstructive Pulmonary Disease.....	8	12.5	9.0	*	25.0	15.7	*	25.0	21.0	*
Transient Cerebral Ischemia.....	6	0.0	2.2	*	0.0	4.6	*	0.0	7.3	*
Stroke.....	6	16.7	18.2	*	33.3	23.4	*	33.3	27.9	*
Hip Fracture.....	1	0.0	7.5	*	0.0	12.7	*	0.0	15.8	*
Sepsis.....	5	60.0	30.5	*	60.0	35.7	*	60.0	40.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	3	0.0	0.9	*	0.0	2.2	*	33.3	3.6	*
Cholecystectomy.....	7	14.3	1.4	*	28.6	2.2	*	28.6	2.8	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

COMMUNITY HOSPITAL - NORTH LAS VEGAS

1409 East Lake Mead Blvd
North Las Vegas, NV 89030

Medicare Provider Number: 290005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	837	12.4	10.4	1.8	18.4	15.6	2.3	22.6	19.6	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	27	55.6	25.5	*	55.6	28.1	*	55.6	31.0	*
Congestive Heart Failure.....	61	9.8	15.7	5.4	21.3	24.2	8.8	27.9	31.0	8.2
Pneumonia/Influenza.....	47	19.1	19.1	*	25.5	25.2	*	29.8	30.1	*
Chronic Obstructive Pulmonary Disease.....	32	6.3	9.4	*	6.3	16.3	*	9.4	22.3	*
Transient Cerebral Ischemia.....	17	0.0	1.6	*	5.9	3.4	*	11.8	5.4	*
Stroke.....	18	27.8	19.8	*	33.3	26.3	*	38.9	30.7	*
Hip Fracture.....	16	6.3	8.9	*	18.8	15.1	*	18.8	19.2	*
Sepsis.....	17	52.9	28.6	*	64.7	37.9	*	64.7	44.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	2	0.0	1.0	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction.....	9	11.1	6.4	*	22.2	11.1	*	22.2	14.2	*
Open Reduction of Hip Fracture.....	9	0.0	7.8	*	11.1	13.9	*	11.1	17.9	*
Prostatectomy.....	17	0.0	0.5	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy.....	18	22.2	4.5	*	27.8	8.0	*	33.3	10.3	*
Hysterectomy.....	8	0.0	1.0	*	0.0	2.5	*	0.0	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 140
Occupancy Rate..... 45
Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 83
Percent of Physicians Board Certified Specialists..... 55
Medical Residents/Interns..... 0
Registered Nurses..... 81
Licensed Practical Nurses..... 9

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

COMMUNITY HOSPITAL - NORTH LAS VEGAS

Medicare Provider Number: 290005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	963	15.5	12.0	1.4	21.2	17.6	1.6	25.0	21.8	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	32	40.6	25.7	*	46.9	28.6	*	50.0	31.9	*
Congestive Heart Failure.....	50	20.0	18.6	*	28.0	28.0	*	30.0	35.2	*
Pneumonia/Influenza.....	89	20.2	21.1	5.2	29.2	27.9	4.9	32.6	33.1	5.1
Chronic Obstructive Pulmonary Disease.....	26	15.4	14.3	*	15.4	23.4	*	23.1	29.4	*
Transient Cerebral Ischemia.....	20	0.0	1.9	*	5.0	4.1	*	5.0	6.2	*
Stroke.....	39	30.8	23.9	*	35.9	30.5	*	43.6	35.2	*
Hip Fracture.....	25	28.0	8.6	*	36.0	14.7	*	36.0	18.1	*
Sepsis.....	9	22.2	32.7	*	33.3	44.0	*	33.3	51.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	1	0.0	2.7	*	0.0	4.8	*	0.0	7.1	*
Hip Replacement/Reconstruction.....	10	30.0	5.5	*	40.0	10.2	*	40.0	12.8	*
Open Reduction of Hip Fracture.....	12	25.0	7.9	*	33.3	14.1	*	33.3	17.8	*
Prostatectomy.....	15	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*
Cholecystectomy.....	18	0.0	2.2	*	0.0	3.8	*	0.0	4.8	*
Hysterectomy.....	2	0.0	1.0	*	0.0	2.3	*	0.0	3.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	758	15.4	12.3	3.7	23.4	18.6	4.4	26.9	23.4	4.4
CONDITIONS:										
Acute Myocardial Infarction.....	16	50.0	28.8	*	50.0	31.9	*	50.0	34.9	*
Congestive Heart Failure.....	50	18.0	19.6	*	28.0	29.1	*	42.0	36.4	*
Pneumonia/Influenza.....	64	29.7	23.8	9.0	35.9	31.3	7.6	39.1	37.2	7.7
Chronic Obstructive Pulmonary Disease.....	21	9.5	14.1	*	19.0	23.7	*	23.8	30.6	*
Transient Cerebral Ischemia.....	10	0.0	1.9	*	0.0	3.9	*	0.0	5.9	*
Stroke.....	29	20.7	21.9	*	31.0	30.0	*	34.5	35.0	*
Hip Fracture.....	19	10.5	7.0	*	31.6	12.6	*	31.6	16.6	*
Sepsis.....	10	50.0	28.7	*	60.0	38.9	*	60.0	45.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	1	0.0	2.1	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction.....	7	14.3	7.3	*	28.6	13.1	*	28.6	17.1	*
Open Reduction of Hip Fracture.....	8	12.5	5.9	*	25.0	11.3	*	25.0	15.0	*
Prostatectomy.....	17	0.0	1.0	*	5.9	2.5	*	5.9	4.3	*
Cholecystectomy.....	12	0.0	3.7	*	0.0	6.6	*	0.0	8.5	*
Hysterectomy.....	4	0.0	0.5	*	0.0	1.5	*	25.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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January 14, 1991

Ms. Sandra Kappert
Health Care Financing Administration
6325 Security Blvd.
Baltimore, MD 21207

Dear Ms. Kappert:

Thank you for the opportunity to respond to the 1989 Mortality Statistics.

Of the 241 patients who expired from October 1, 1988 to September 30, 1989, 98 or 41% were admitted from and/or discharged to extended care facilities. This fact demonstrates the complexity of our patients, as nursing home patients are typically those with multi-system disease, in a debilitated state, with a poor ability to recover. The average age of these patients is 77 years.

Of the 86 who expired while in the hospital, 27 or 31% were from nursing homes, which further emphasizes the chronicity and poor prognosis of these patients. 155 patients expired after discharge from Community Hospital of North Las Vegas. This was documented at 30, 90 and 180 days post discharge.

On review of our records, there were a total of 1417 Medicare discharges from October 1, 1988 to September 30, 1989. 241 mortalities were identified, or 5.9%, a decrease from the previous fiscal year.

To promote quality and positive outcomes, concurrent review is conducted at Community Hospital of North Las Vegas. Any problems identified are addressed while the patient is in the hospital. 100% Mortality Review is ongoing along with many other indicators utilized in the Peer Review process.

Overall, the quality of care provided at Community Hospital meets or exceeds community and national standards, despite our case mix of patients with a higher than average expected mortality rate. Our infection rate consistently is lower than the national average. We strive for excellence as we continually monitor our quality of care.

Sincerely,

Patti Berry, RN
Director of Patient Care Services



DESERT SPRINGS HOSPITAL

2075 East Flamingo Road
Las Vegas, NV 89119

Medicare Provider Number: 290022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,157	7.4	8.3	2.1	11.0	12.5	2.4	13.7	15.9	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	115	23.5	22.1	4.1	24.3	24.9	4.1	27.0	27.8	4.4
Congestive Heart Failure.....	197	10.7	13.0	3.1	21.3	20.3	3.0	27.9	26.7	3.6
Pneumonia/Influenza.....	85	8.2	13.4	5.1	12.9	18.1	6.4	14.1	22.1	7.3
Chronic Obstructive Pulmonary Disease.....	62	9.7	7.7	4.3	14.5	12.8	4.5	16.1	17.5	5.3
Transient Cerebral Ischemia.....	64	6.3	2.0	3.5	6.3	4.2	3.6	9.4	6.6	3.9
Stroke.....	89	21.3	20.0	5.3	27.0	25.6	4.9	29.2	29.6	4.9
Hip Fracture.....	63	4.8	5.8	3.4	6.3	10.1	6.2	9.5	13.0	6.7
Sepsis.....	21	28.6	27.7	*	33.3	37.7	*	38.1	44.3	*
PROCEDURES:										
Angioplasty.....	93	3.2	3.0	1.8	6.5	4.1	2.8	7.5	5.5	3.6
Coronary Artery Bypass Graft.....	117	12.8	6.6	3.8	15.4	8.8	4.1	15.4	10.3	4.2
Initial Pacemaker Insertion.....	30	0.0	3.4	*	0.0	6.4	*	6.7	9.2	*
Carotid Endarterectomy.....	32	0.0	1.8	*	3.1	3.6	*	6.3	5.3	*
Hip Replacement/Reconstruction.....	73	1.4	2.7	2.4	1.4	4.7	3.5	1.4	6.1	4.3
Open Reduction of Hip Fracture.....	36	0.0	5.1	*	2.8	9.3	*	8.3	12.2	*
Prostatectomy.....	177	0.0	1.2	1.2	1.1	2.8	1.5	1.7	4.6	2.3
Cholecystectomy.....	74	5.4	3.2	3.4	9.5	5.4	5.0	9.5	6.9	5.2
Hysterectomy.....	23	0.0	1.5	*	0.0	3.1	*	4.3	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 200
Occupancy Rate..... 77
Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 298
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... 0
Registered Nurses..... 200
Licensed Practical Nurses..... 37

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

DESERT SPRINGS HOSPITAL

Medicare Provider Number: 290022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,895	6.8	7.7	0.6	10.0	11.5	0.8	12.4	14.6	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	83	19.3	25.0	7.4	21.7	28.2	8.6	22.9	31.5	9.7
Congestive Heart Failure.....	147	21.1	14.0	4.6	25.9	21.6	4.3	32.0	28.0	4.2
Pneumonia/Influenza.....	93	11.8	14.6	7.1	16.1	19.5	8.5	18.3	23.6	9.2
Chronic Obstructive Pulmonary Disease.....	40	0.0	9.1	*	12.5	14.7	*	17.5	19.5	*
Transient Cerebral Ischemia.....	31	9.7	2.1	*	9.7	4.5	*	9.7	7.1	*
Stroke.....	71	15.5	19.4	7.1	19.7	25.4	10.8	21.1	29.6	11.7
Hip Fracture.....	43	2.3	6.1	*	4.7	10.5	*	7.0	13.3	*
Sepsis.....	26	26.9	24.9	*	34.6	32.5	*	42.3	38.1	*
PROCEDURES:										
Angioplasty.....	110	1.8	3.4	2.7	1.8	4.5	3.0	2.7	5.7	3.9
Coronary Artery Bypass Graft.....	103	8.7	5.9	4.4	11.7	8.0	5.1	11.7	9.3	5.1
Initial Pacemaker Insertion.....	29	0.0	3.7	*	0.0	6.3	*	3.4	8.7	*
Carotid Endarterectomy.....	29	0.0	1.8	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction.....	79	5.1	1.7	3.0	6.3	3.1	3.8	7.6	4.1	3.8
Open Reduction of Hip Fracture.....	21	4.8	6.7	*	9.5	11.9	*	9.5	15.1	*
Prostatectomy.....	178	0.6	1.1	1.2	1.7	2.5	1.9	4.5	4.0	1.6
Cholecystectomy.....	56	5.4	2.9	3.3	5.4	4.9	3.4	5.4	6.3	3.9
Hysterectomy.....	15	0.0	1.3	*	0.0	2.7	*	6.7	3.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,443	6.6	7.8	1.1	10.2	11.8	1.3	13.1	15.0	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	72	16.7	24.0	9.2	20.8	26.8	8.1	25.0	29.8	7.6
Congestive Heart Failure.....	141	17.7	14.8	3.4	25.5	22.4	4.0	33.3	29.0	4.6
Pneumonia/Influenza.....	83	10.8	15.4	6.9	14.5	20.9	6.6	19.3	25.6	7.4
Chronic Obstructive Pulmonary Disease.....	18	0.0	7.3	*	11.1	11.9	*	11.1	15.8	*
Transient Cerebral Ischemia.....	56	0.0	2.0	2.7	3.6	4.1	3.6	10.7	6.3	5.3
Stroke.....	87	21.8	18.4	7.1	31.0	24.7	9.4	32.2	28.9	7.9
Hip Fracture.....	44	6.8	5.3	*	6.8	9.5	*	11.4	12.5	*
Sepsis.....	18	5.6	26.3	*	16.7	36.2	*	27.8	43.4	*
PROCEDURES:										
Angioplasty.....	69	4.3	4.6	3.0	5.8	5.6	3.1	7.2	6.8	4.0
Coronary Artery Bypass Graft.....	75	6.7	6.4	2.9	6.7	8.4	3.5	9.3	9.7	3.5
Initial Pacemaker Insertion.....	37	0.0	2.8	*	0.0	5.8	*	5.4	8.6	*
Carotid Endarterectomy.....	29	10.3	2.0	*	10.3	3.6	*	10.3	5.1	*
Hip Replacement/Reconstruction.....	55	1.8	1.0	1.5	1.8	1.9	2.3	3.6	2.5	2.9
Open Reduction of Hip Fracture.....	34	5.9	5.0	*	5.9	9.3	*	11.8	12.3	*
Prostatectomy.....	116	0.0	1.2	1.9	2.6	2.7	2.1	5.2	4.4	2.7
Cholecystectomy.....	58	3.4	3.0	4.4	6.9	5.2	5.9	8.6	6.9	6.3
Hysterectomy.....	14	0.0	0.8	*	7.1	1.5	*	7.1	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ELKO GENERAL HOSPITAL

1297 College Ave

Elko, NV 89801

Medicare Provider Number: 290008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	258	12.8	10.1	2.5	16.7	14.2	2.5	21.3	17.5	3.9
CONDITIONS:										
Acute Myocardial Infarction.....	17	17.6	31.4	*	23.5	34.1	*	41.2	37.2	*
Congestive Heart Failure.....	16	12.5	12.8	*	25.0	19.5	*	31.3	25.4	*
Pneumonia/Influenza.....	24	8.3	13.8	*	12.5	18.7	*	20.8	22.7	*
Chronic Obstructive Pulmonary Disease.....	4	0.0	7.2	*	0.0	11.7	*	0.0	15.9	*
Transient Cerebral Ischemia.....	3	0.0	2.3	*	0.0	5.4	*	33.3	8.9	*
Stroke.....	14	21.4	18.7	*	35.7	24.2	*	42.9	28.4	*
Hip Fracture.....	7	0.0	5.8	*	14.3	10.6	*	14.3	13.9	*
Sepsis.....	3	100.0	17.3	*	100.0	22.2	*	100.0	27.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	3.4	*	0.0	5.9	*	0.0	8.4	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Open Reduction of Hip Fracture.....	6	0.0	5.5	*	16.7	10.4	*	16.7	13.9	*
Prostatectomy.....	3	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy.....	8	0.0	1.3	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy.....	2	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 50
 Occupancy Rate..... 44
 Ownership/Control..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 16
 Percent of Physicians Board Certified Specialists..... 56
 Medical Residents/Interns..... 0
 Registered Nurses..... 50
 Licensed Practical Nurses..... 20

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... Yes
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

ELKO GENERAL HOSPITAL

Medicare Provider Number: 290008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	303	11.9	9.0	3.2	17.2	14.1	3.6	20.5	17.8	3.5
CONDITIONS:										
Acute Myocardial Infarction.....	5	20.0	19.6	*	20.0	22.3	*	20.0	25.4	*
Congestive Heart Failure.....	13	30.8	12.6	*	38.5	19.5	*	38.5	25.5	*
Pneumonia/Influenza.....	4	25.0	19.9	*	25.0	26.7	*	25.0	32.0	*
Chronic Obstructive Pulmonary Disease.....	16	18.8	11.2	*	18.8	17.8	*	25.0	23.0	*
Transient Cerebral Ischemia.....	8	12.5	2.9	*	12.5	6.8	*	12.5	11.0	*
Stroke.....	3	0.0	14.5	*	0.0	19.8	*	0.0	24.1	*
Hip Fracture.....	8	12.5	10.1	*	25.0	18.2	*	37.5	23.3	*
Sepsis.....	6	16.7	20.8	*	33.3	28.8	*	33.3	34.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	8	0.0	3.4	*	0.0	7.0	*	12.5	9.8	*
Open Reduction of Hip Fracture.....	5	20.0	10.4	*	40.0	19.1	*	40.0	24.3	*
Prostatectomy.....	15	0.0	2.4	*	6.7	5.9	*	6.7	9.8	*
Cholecystectomy.....	8	0.0	2.9	*	0.0	5.2	*	0.0	6.8	*
Hysterectomy.....	2	0.0	0.5	*	0.0	0.9	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	342	10.8	9.0	2.0	16.1	13.5	2.5	20.2	17.0	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	8	37.5	27.3	*	50.0	29.8	*	62.5	32.8	*
Congestive Heart Failure.....	15	20.0	17.2	*	26.7	26.6	*	40.0	33.9	*
Pneumonia/Influenza.....	20	10.0	14.3	*	20.0	19.4	*	25.0	23.5	*
Chronic Obstructive Pulmonary Disease.....	9	11.1	7.6	*	22.2	13.3	*	33.3	17.8	*
Transient Cerebral Ischemia.....	5	20.0	2.1	*	20.0	4.7	*	40.0	7.5	*
Stroke.....	11	36.4	19.9	*	36.4	27.6	*	36.4	33.0	*
Hip Fracture.....	7	14.3	4.1	*	14.3	7.7	*	14.3	10.5	*
Sepsis.....	2	100.0	24.9	*	100.0	34.5	*	100.0	42.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	8	12.5	3.0	*	25.0	6.1	*	37.5	8.5	*
Open Reduction of Hip Fracture.....	2	0.0	2.8	*	0.0	5.1	*	0.0	6.8	*
Prostatectomy.....	30	0.0	0.9	*	0.0	2.2	*	3.3	3.6	*
Cholecystectomy.....	5	0.0	2.3	*	0.0	4.2	*	0.0	5.5	*
Hysterectomy.....	3	0.0	0.6	*	0.0	1.0	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GROVER C DILS MEDICAL CENTER

Highway 93 North
Caliente, NV 89008

Medicare Provider Number: 290027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	44	18.2	16.4	*	25.0	21.4	*	27.3	25.0	*
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	35.0	*	0.0	37.5	*	0.0	40.4	*
Congestive Heart Failure.....	2	50.0	14.2	*	50.0	21.5	*	50.0	27.8	*
Pneumonia/Influenza.....	6	0.0	15.3	*	16.7	19.9	*	16.7	23.9	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	4.0	*	0.0	7.2	*	0.0	10.5	*
Transient Cerebral Ischemia.....	3	0.0	1.9	*	0.0	4.5	*	33.3	7.3	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds..... 6
Ownership/Control..... Local Government

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 8
Licensed Practical Nurses..... 3

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

GROVER C DILS MEDICAL CENTER

Medicare Provider Number: 290027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	32	25.0	14.5	*	28.1	19.1	*	34.4	23.0	*
CONDITIONS:										
Acute Myocardial Infarction.....	4	100.0	35.0	*	100.0	37.4	*	100.0	40.3	*
Congestive Heart Failure.....	1	100.0	23.3	*	100.0	33.1	*	100.0	40.8	*
Pneumonia/Influenza.....	3	0.0	12.6	*	0.0	16.7	*	0.0	20.2	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	7.1	*	0.0	11.9	*	0.0	16.5	*
Transient Cerebral Ischemia.....	2	0.0	1.2	*	0.0	2.7	*	0.0	4.1	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	3	0.0	27.9	*	0.0	36.0	*	0.0	42.6	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	56	19.6	13.3	7.9	25.0	18.9	8.1	28.6	23.3	7.1
CONDITIONS:										
Acute Myocardial Infarction.....	5	60.0	37.4	*	60.0	41.4	*	60.0	46.0	*
Congestive Heart Failure.....	3	0.0	17.8	*	33.3	26.7	*	66.7	34.0	*
Pneumonia/Influenza.....	10	10.0	10.7	*	10.0	14.8	*	20.0	18.2	*
Chronic Obstructive Pulmonary Disease.....	4	25.0	12.1	*	25.0	19.5	*	25.0	25.0	*
Transient Cerebral Ischemia.....	0									
Stroke.....	2	50.0	22.5	*	50.0	29.5	*	50.0	34.4	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HUMANA HOSPITAL SUNRISE

3186 S Maryland Pkwy
Las Vegas, NV 89109

Medicare Provider Number: 290003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,286	8.3	8.7	1.6	13.3	13.2	2.4	16.9	16.7	2.8
CONDITIONS:										
Acute Myocardial Infarction.....	161	27.3	21.7	5.9	31.7	24.4	5.9	33.5	27.3	6.2
Congestive Heart Failure.....	209	11.0	13.5	3.0	17.7	21.2	3.9	22.0	27.7	5.5
Pneumonia/Influenza.....	159	11.9	13.8	3.6	17.6	19.2	4.0	23.3	23.5	3.4
Chronic Obstructive Pulmonary Disease.....	90	5.6	5.7	2.6	10.0	10.2	3.3	15.6	14.2	4.8
Transient Cerebral Ischemia.....	82	0.0	1.5	1.8	3.7	3.2	2.6	3.7	5.0	3.6
Stroke.....	184	12.5	18.5	4.9	17.4	24.4	5.5	23.4	28.5	5.0
Hip Fracture.....	129	6.2	6.2	2.4	10.1	10.8	2.9	12.4	13.8	3.5
Sepsis.....	108	21.3	26.4	8.2	27.8	35.3	9.1	33.3	41.7	9.7
PROCEDURES:										
Angioplasty.....	78	3.8	3.2	2.1	5.1	4.1	2.4	5.1	5.1	2.7
Coronary Artery Bypass Graft.....	127	8.7	5.0	3.3	14.2	6.9	3.7	14.2	8.1	3.7
Initial Pacemaker Insertion.....	46	2.2	3.8	*	2.2	6.9	*	4.3	9.4	*
Carotid Endarterectomy.....	64	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction.....	112	3.6	3.4	1.8	6.2	6.1	2.3	8.0	8.1	2.7
Open Reduction of Hip Fracture.....	76	5.3	5.3	2.8	7.9	9.7	4.4	9.2	12.6	6.6
Prostatectomy.....	209	0.5	0.7	0.7	0.5	1.8	1.5	1.9	3.0	1.9
Cholecystectomy.....	121	4.1	2.7	3.2	8.3	4.8	4.3	9.1	6.2	4.5
Hysterectomy.....	34	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 679
Occupancy Rate..... 59
Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 642
Percent of Physicians Board Certified Specialists..... 57
Medical Residents/Interns..... 0
Registered Nurses..... 573
Licensed Practical Nurses..... 141

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

HUMANA HOSPITAL SUNRISE

Medicare Provider Number: 290003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,987	9.1	9.2	0.6	14.3	13.9	0.9	17.9	17.5	0.6
CONDITIONS:										
Acute Myocardial Infarction.....	143	22.4	22.3	3.7	27.3	25.4	4.0	29.4	28.6	4.0
Congestive Heart Failure.....	175	17.7	15.2	4.5	25.7	23.4	3.7	30.3	30.2	3.7
Pneumonia/Influenza.....	127	7.9	14.4	4.5	11.0	19.6	5.1	15.0	23.8	5.6
Chronic Obstructive Pulmonary Disease.....	67	9.0	5.2	4.1	9.0	9.7	4.6	16.4	13.6	5.2
Transient Cerebral Ischemia.....	64	1.6	2.1	2.0	3.1	4.7	3.0	7.8	7.3	3.3
Stroke.....	140	16.4	21.5	4.8	22.9	28.0	5.3	29.3	32.5	4.5
Hip Fracture.....	91	4.4	6.4	3.3	8.8	11.2	4.1	11.0	14.1	5.2
Sepsis.....	66	22.7	27.5	7.0	34.8	36.8	6.2	45.5	43.2	6.6
PROCEDURES:										
Angioplasty.....	46	2.2	3.9	*	4.3	4.8	*	6.5	5.8	*
Coronary Artery Bypass Graft.....	92	7.6	5.7	5.4	13.0	7.7	6.3	13.0	9.1	6.8
Initial Pacemaker Insertion.....	31	0.0	2.5	*	3.2	4.8	*	3.2	7.0	*
Carotid Endarterectomy.....	40	2.5	1.3	*	2.5	2.4	*	2.5	3.5	*
Hip Replacement/Reconstruction.....	66	1.5	3.9	3.1	4.5	7.1	4.7	6.1	9.3	6.2
Open Reduction of Hip Fracture.....	54	3.7	5.7	3.5	7.4	10.4	5.0	9.3	13.4	6.8
Prostatectomy.....	141	1.4	0.9	0.9	2.8	2.0	1.4	3.5	3.3	2.8
Cholecystectomy.....	90	1.1	2.3	2.5	2.2	4.3	3.9	3.3	5.8	4.6
Hysterectomy.....	22	4.5	1.3	*	9.1	2.6	*	9.1	3.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,639	9.0	8.2	0.6	14.2	12.8	1.6	18.1	16.4	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	129	21.7	22.5	3.7	27.1	25.5	4.2	29.5	28.6	4.1
Congestive Heart Failure.....	184	23.4	15.4	4.2	31.0	23.2	4.6	40.8	29.6	5.7
Pneumonia/Influenza.....	121	9.1	14.3	4.2	14.9	19.8	4.6	16.5	24.5	6.2
Chronic Obstructive Pulmonary Disease.....	80	7.5	5.3	3.7	13.7	9.9	5.9	18.7	14.0	6.7
Transient Cerebral Ischemia.....	93	1.1	1.6	1.4	2.2	3.5	2.6	3.2	5.5	3.7
Stroke.....	108	23.1	21.5	4.6	29.6	28.2	4.7	33.3	32.6	4.7
Hip Fracture.....	66	4.5	5.9	3.1	9.1	10.3	4.2	9.1	13.3	5.4
Sepsis.....	34	23.5	28.3	*	29.4	36.7	*	32.4	42.6	*
PROCEDURES:										
Angioplasty.....	37	2.7	5.2	*	5.4	6.1	*	5.4	7.2	*
Coronary Artery Bypass Graft.....	71	12.7	5.9	4.7	16.9	7.9	5.0	18.3	9.1	5.4
Initial Pacemaker Insertion.....	36	0.0	2.8	*	2.8	5.5	*	11.1	7.9	*
Carotid Endarterectomy.....	48	2.1	1.5	*	2.1	2.7	*	4.2	3.9	*
Hip Replacement/Reconstruction.....	53	3.8	2.4	4.1	7.5	4.7	5.0	7.5	6.4	5.4
Open Reduction of Hip Fracture.....	38	2.6	5.1	*	7.9	9.4	*	7.9	12.4	*
Prostatectomy.....	147	1.4	0.8	1.6	3.4	2.0	2.0	4.8	3.4	2.3
Cholecystectomy.....	82	7.3	4.1	3.8	11.0	7.2	4.2	12.2	9.6	4.0
Hysterectomy.....	22	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

3186 Maryland Parkway
P.O. Box 98530
Las Vegas, NV 89193
(702) 731-8000

Humana Hospital - Sunrise

and Humana Children's Hospital - Las Vegas

January 4, 1991

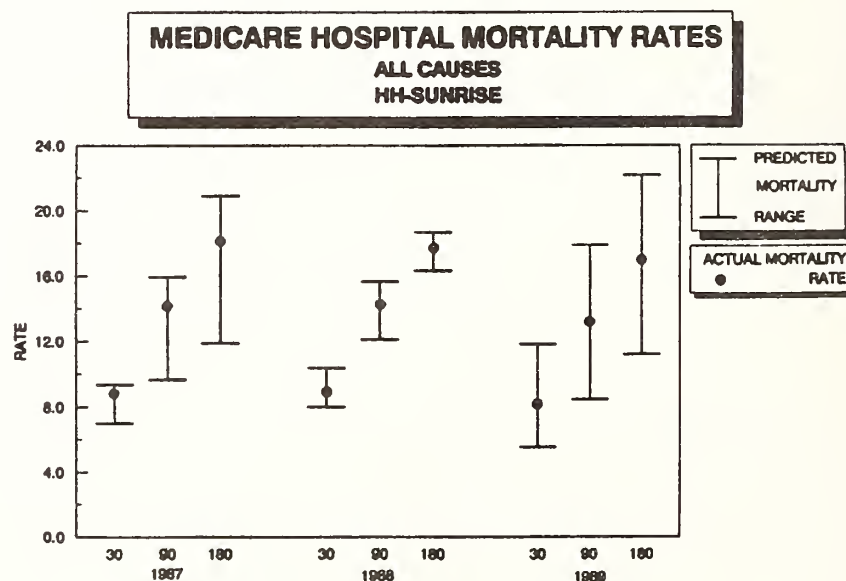
Medicare Provider #29-0003

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert,

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital Sunrise. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital's observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. (To aid readers, in understanding the data for Humana Hospital Sunrise, we have computed a range for the "All Causes" category for the 30, 90 and 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.



SOURCE: HCFA - MEDICARE HOSPITAL MORTALITY INFORMATION 1987, 1988, 1989

The vertical lines represent the predicted ranges and the dot represents the hospital's observed rate.)

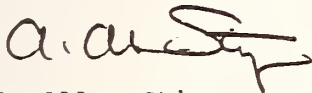
Page 2
Ms. Sandra Kappert

For some categories, observed and predicted mortality rates are published without an accompanying standard deviation. If "the number of cases or deaths in any category is too small to permit satisfactory estimation of the standard deviation," it is also inappropriate to publish predicted rates in that category, due to the potential for misinterpretation.

We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indicator; however, they are not the sole element in evaluating patient care in a hospital. At Humana Hospital Sunrise, we have established, in conjunction with our medical staff, an on-going, comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,



A. Allan Stipe
Administrator
Humana Hospital Sunrise

AAS/mb

HUMBOLDT GENERAL HOSPITAL

118 East Haskell Street
Winnemucca, NV 89445

Medicare Provider Number: 290016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	63	11.1	9.5	4.2	15.9	13.8	4.8	19.0	17.3	5.0
CONDITIONS:										
Acute Myocardial Infarction.....	5	60.0	26.8	*	60.0	29.1	*	60.0	32.1	*
Congestive Heart Failure.....	4	25.0	11.0	*	50.0	16.9	*	50.0	22.1	*
Pneumonia/Influenza.....	5	0.0	14.5	*	0.0	19.1	*	0.0	23.0	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	1	0.0	14.9	*	0.0	19.5	*	0.0	23.4	*
Hip Fracture.....	0									
Sepsis.....	2	0.0	33.6	*	0.0	39.2	*	0.0	46.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	1.7	*	0.0	3.4	*	0.0	4.8	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 32
Occupancy Rate..... 56
Ownership/Control..... District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 5
Percent of Physicians Board Certified Specialists..... 100
Medical Residents/Interns..... 0
Registered Nurses..... 15
Licensed Practical Nurses..... 7

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

HUMBOLDT GENERAL HOSPITAL

Medicare Provider Number: 290016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	41	12.2	15.0	*	14.6	20.3	*	19.5	24.6	*
CONDITIONS:										
Acute Myocardial Infarction.....	4	0.0	32.9	*	0.0	35.9	*	0.0	38.8	*
Congestive Heart Failure.....	4	0.0	10.5	*	0.0	15.3	*	25.0	20.1	*
Pneumonia/Influenza.....	11	9.1	14.0	*	9.1	19.5	*	18.2	23.4	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	2.2	*	0.0	4.3	*	0.0	6.1	*
Transient Cerebral Ischemia.....	1	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	3	0.0	22.3	*	0.0	28.6	*	0.0	34.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	64	9.4	9.4	3.8	17.2	14.6	7.4	20.3	18.8	8.3
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	18.2	*	0.0	21.2	*	0.0	24.5	*
Congestive Heart Failure.....	3	0.0	16.1	*	33.3	22.2	*	33.3	28.3	*
Pneumonia/Influenza.....	4	0.0	10.9	*	0.0	14.8	*	25.0	18.3	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	2	0.0	13.1	*	0.0	18.0	*	0.0	21.5	*
Hip Fracture.....	0									
Sepsis.....	1	100.0	43.4	*	100.0	55.8	*	100.0	65.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	3.4	*	0.0	4.9	*	0.0	6.1	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

INCLINE VILLAGE COMMUNITY HOSPITAL

880 Alder Ave
Incline Village, NV 89450

Medicare Provider Number: 290031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	59	5.1	5.5	4.6	6.8	8.6	7.3	6.8	11.4	9.2
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	17.0	*	0.0	19.2	*	0.0	22.1	*
Congestive Heart Failure.....	5	0.0	10.7	*	0.0	16.5	*	0.0	21.8	*
Pneumonia/Influenza.....	7	14.3	11.7	*	14.3	15.6	*	14.3	19.2	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	8.0	*	0.0	12.7	*	0.0	17.0	*
Transient Cerebral Ischemia.....	1	0.0	1.3	*	0.0	2.7	*	0.0	4.3	*
Stroke.....	2	0.0	17.9	*	0.0	23.4	*	0.0	27.9	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*
Cholecystectomy.....	1	0.0	1.5	*	0.0	2.2	*	0.0	3.1	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1987

Total Beds..... 28
Ownership/Control..... Private, Non-Profit

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 18
Licensed Practical Nurses..... 0

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

INCLINE VILLAGE COMMUNITY HOSPITAL

Medicare Provider Number: 290031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	50	4.0	5.4	*	6.0	8.4	*	8.0	11.1	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	16.4	*	0.0	18.2	*	0.0	20.6	*
Congestive Heart Failure.....	2	50.0	12.5	*	50.0	18.6	*	50.0	24.1	*
Pneumonia/Influenza.....	5	0.0	12.0	*	20.0	16.0	*	20.0	19.6	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	4.6	*	0.0	7.2	*	0.0	10.9	*
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	0.7	*	0.0	1.2	*	0.0	1.6	*
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	6	0.0	0.7	*	0.0	1.8	*	0.0	2.8	*
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	82	3.7	5.8	6.9	4.9	8.7	7.5	4.9	11.4	7.1
CONDITIONS:										
Acute Myocardial Infarction.....	5	0.0	12.9	*	0.0	15.4	*	0.0	18.0	*
Congestive Heart Failure.....	7	0.0	12.7	*	0.0	19.3	*	0.0	25.1	*
Pneumonia/Influenza.....	5	0.0	8.7	*	0.0	12.2	*	0.0	15.2	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	2	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.4	*	0.0	3.9	*	0.0	6.9	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	0.5	*	0.0	1.2	*	0.0	1.7	*
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	5	0.0	1.3	*	0.0	2.8	*	0.0	4.8	*
Cholecystectomy.....	2	0.0	1.4	*	0.0	2.3	*	0.0	2.9	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MT GRANT GENERAL HOSPITAL

First and A Streets
Hawthorne, NV 89415

Medicare Provider Number: 290015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	89	14.6	10.2	4.7	19.1	15.4	4.5	21.3	19.6	4.6
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	18.0	*	0.0	20.1	*	0.0	22.8	*
Congestive Heart Failure.....	11	9.1	15.3	*	18.2	24.0	*	18.2	31.2	*
Pneumonia/Influenza.....	12	16.7	15.3	*	16.7	20.8	*	16.7	25.5	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	1	0.0	1.1	*	0.0	2.2	*	0.0	3.5	*
Stroke.....	2	0.0	24.7	*	50.0	35.2	*	50.0	41.8	*
Hip Fracture.....	0									
Sepsis.....	2	0.0	29.7	*	0.0	37.5	*	0.0	44.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	1.2	*	0.0	1.8	*	0.0	2.4	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds..... 15
Ownership/Control..... Local Government

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 9
Licensed Practical Nurses..... 6

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

MT GRANT GENERAL HOSPITAL

Medicare Provider Number: 290015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	80	13.7	9.6	4.8	17.5	14.4	5.6	20.0	18.2	6.0
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	33.3	14.2	*	33.3	22.1	*	33.3	29.1	*
Pneumonia/Influenza.....	8	12.5	16.7	*	25.0	23.0	*	25.0	28.0	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	16.4	*	0.0	29.0	*	0.0	38.3	*
Transient Cerebral Ischemia.....	4	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke.....	4	25.0	17.8	*	50.0	25.1	*	50.0	30.3	*
Hip Fracture.....	0									
Sepsis.....	1	0.0	7.9	*	0.0	11.4	*	0.0	15.2	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	1.5	*	0.0	2.5	*	0.0	3.1	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	87	13.8	9.0	4.8	17.2	14.3	5.5	23.0	18.4	5.0
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	2	0.0	19.8	*	0.0	30.7	*	0.0	38.9	*
Pneumonia/Influenza.....	9	22.2	13.7	*	22.2	18.6	*	22.2	22.6	*
Chronic Obstructive Pulmonary Disease.....	10	10.0	11.8	*	20.0	18.3	*	20.0	23.7	*
Transient Cerebral Ischemia.....	1	0.0	1.1	*	0.0	2.5	*	0.0	3.8	*
Stroke.....	3	66.7	23.4	*	66.7	30.0	*	66.7	35.2	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

NYE GENERAL HOSPITAL

825 S Main St
Tonopah, NV 89049

Medicare Provider Number: 290020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	88	10.2	7.3	6.3	14.8	11.8	6.8	17.0	15.5	4.7
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	33.3	13.5	*	33.3	20.3	*	33.3	26.3	*
Pneumonia/Influenza.....	6	16.7	10.1	*	16.7	13.5	*	16.7	16.7	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	9.3	*	0.0	15.6	*	50.0	21.0	*
Transient Cerebral Ischemia.....	3	0.0	1.4	*	0.0	2.9	*	0.0	4.6	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	2	0.0	29.8	*	0.0	35.1	*	0.0	41.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy.....	1	0.0	1.5	*	0.0	2.2	*	0.0	3.1	*
Hysterectomy.....	2	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 45
Occupancy Rate..... 60
Ownership/Control..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... (Not Available)
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

NYE GENERAL HOSPITAL

Medicare Provider Number: 290020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	70	12.9	12.5	5.7	18.6	16.7	5.9	21.4	20.3	6.2
CONDITIONS:										
Acute Myocardial Infarction.....	5	20.0	38.8	*	20.0	42.1	*	20.0	46.4	*
Congestive Heart Failure.....	2	50.0	8.8	*	50.0	13.6	*	50.0	18.1	*
Pneumonia/Influenza.....	8	12.5	13.6	*	12.5	18.1	*	25.0	21.9	*
Chronic Obstructive Pulmonary Disease.....	6	0.0	8.9	*	16.7	15.0	*	33.3	20.3	*
Transient Cerebral Ischemia.....	1	0.0	2.5	*	0.0	5.8	*	0.0	9.4	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	2.1	*	0.0	4.4	*	0.0	6.0	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	60	8.3	9.2	8.5	11.7	12.8	10.8	11.7	16.3	13.1
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	40.3	*	0.0	43.2	*	0.0	47.2	*
Congestive Heart Failure.....	3	66.7	21.0	*	66.7	31.0	*	66.7	38.1	*
Pneumonia/Influenza.....	6	33.3	16.3	*	50.0	21.4	*	50.0	25.5	*
Chronic Obstructive Pulmonary Disease.....	3	0.0	15.1	*	0.0	23.2	*	0.0	29.0	*
Transient Cerebral Ischemia.....	1	100.0	7.5	*	100.0	19.6	*	100.0	32.8	*
Stroke.....	3	0.0	21.6	*	0.0	26.8	*	0.0	31.3	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

OWYHEE COMMUNITY HEALTH FACILITY

Box 212
Owyhee, NV 89832

Medicare Provider Number: 290029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	26	0.0	4.5	*	0.0	8.9	*	0.0	13.2	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	1	0.0	6.2	*	0.0	8.6	*	0.0	10.8	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	5.5	*	0.0	9.8	*	0.0	13.9	*
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 15
Occupancy Rate..... 20
Ownership/Control..... Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 3
Percent of Physicians Board Certified Specialists..... 100
Medical Residents/Interns..... 0
Registered Nurses..... 7
Licensed Practical Nurses..... 4

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... No
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

OWYHEE COMMUNITY HEALTH FACILITY

Medicare Provider Number: 290029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	17	5.9	8.5	*	11.8	13.3	*	11.8	17.6	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	2	0.0	18.7	*	0.0	30.4	*	0.0	39.4	*
Pneumonia/Influenza.....	2	0.0	9.0	*	0.0	14.0	*	0.0	17.7	*
Chronic Obstructive Pulmonary Disease.....	1	0.0	1.5	*	0.0	2.7	*	0.0	3.7	*
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	16	0.0	10.0	*	6.3	14.4	*	12.5	18.1	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	3	0.0	19.4	*	0.0	28.6	*	33.3	36.0	*
Pneumonia/Influenza.....	3	0.0	11.8	*	33.3	16.4	*	33.3	19.7	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	2	0.0	22.9	*	0.0	29.4	*	0.0	34.4	*
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PERSHING GENERAL HOSPITAL

855 6th St
Lovelock, NV 89419

Medicare Provider Number: 290011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	26	11.5	15.3	*	26.9	21.1	*	26.9	25.5	*
CONDITIONS:										
Acute Myocardial Infarction.....	3	0.0	32.4	*	33.3	35.6	*	33.3	39.2	*
Congestive Heart Failure.....	5	20.0	16.9	*	40.0	26.5	*	40.0	33.0	*
Pneumonia/Influenza.....	7	28.6	17.7	*	28.6	24.5	*	28.6	29.6	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 47
Occupancy Rate..... 55
Ownership/Control..... District/Authority

STAFFING: (As of September 30, 1989,

Total Number of Physicians..... 2
Percent of Physicians Board Certified Specialists.....(Not Available)
Medical Residents/Interns..... 0
Registered Nurses..... 5
Licensed Practical Nurses..... 0

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

PERSHING GENERAL HOSPITAL

Medicare Provider Number: 290011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	38	15.8	13.7	*	18.4	19.4	*	18.4	23.9	*
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	33.3	*	0.0	50.6	*	0.0	61.1	*
Congestive Heart Failure.....	4	25.0	14.3	*	25.0	21.7	*	25.0	28.1	*
Pneumonia/Influenza.....	7	14.3	19.8	*	14.3	25.6	*	14.3	29.9	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	12.9	*	0.0	20.3	*	0.0	26.0	*
Transient Cerebral Ischemia.....	1	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	1	0.0	20.5	*	0.0	25.0	*	0.0	30.7	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22	18.2	9.5	*	22.7	14.8	*	36.4	19.4	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	1	100.0	14.0	*	100.0	22.7	*	100.0	29.6	*
Pneumonia/Influenza.....	4	0.0	14.3	*	0.0	19.4	*	25.0	23.8	*
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SOUTH LYON COMMUNITY HOSPITAL

Surprise at Whitacre Ave
Yerington, NV 89447

Medicare Provider Number: 290002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	119	17.6	14.6	9.7	24.4	20.6	9.7	27.7	25.2	9.0
CONDITIONS:										
Acute Myocardial Infarction.....	11	9.1	28.8	*	9.1	33.2	*	18.2	38.0	*
Congestive Heart Failure.....	7	57.1	16.5	*	57.1	24.6	*	57.1	31.5	*
Pneumonia/Influenza.....	3	33.3	15.8	*	33.3	22.7	*	33.3	27.9	*
Chronic Obstructive Pulmonary Disease.....	12	8.3	9.5	*	16.7	15.8	*	33.3	21.0	*
Transient Cerebral Ischemia.....	0									
Stroke.....	2	50.0	16.2	*	50.0	20.5	*	50.0	24.1	*
Hip Fracture.....	1	0.0	3.6	*	0.0	6.3	*	0.0	8.7	*
Sepsis.....	1	0.0	18.9	*	0.0	23.7	*	0.0	28.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 48
Occupancy Rate..... 60
Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 4
Percent of Physicians Board Certified Specialists..... 100
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

SOUTH LYON COMMUNITY HOSPITAL

Medicare Provider Number: 290002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	104	7.7	11.4	4.4	21.2	16.9	5.7	22.1	21.2	4.2
CONDITIONS:										
Acute Myocardial Infarction.....	6	16.7	35.5	*	16.7	39.1	*	16.7	43.6	*
Congestive Heart Failure.....	5	40.0	20.2	*	40.0	32.1	*	40.0	40.7	*
Pneumonia/Influenza.....	8	0.0	11.2	*	25.0	16.5	*	37.5	20.7	*
Chronic Obstructive Pulmonary Disease.....	10	0.0	7.1	*	10.0	13.9	*	10.0	19.9	*
Transient Cerebral Ischemia.....	2	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke.....	2	0.0	11.7	*	0.0	15.3	*	0.0	18.7	*
Hip Fracture.....	0									
Sepsis.....	4	25.0	47.1	*	50.0	55.9	*	50.0	61.6	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	1.2	*	0.0	2.5	*	0.0	3.7	*
Cholecystectomy.....	1	0.0	1.0	*	0.0	2.0	*	0.0	2.6	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	118	11.0	12.3	3.9	18.6	17.5	4.6	22.0	21.5	9.7
CONDITIONS:										
Acute Myocardial Infarction.....	4	0.0	34.8	*	0.0	38.0	*	0.0	42.0	*
Congestive Heart Failure.....	5	20.0	14.9	*	20.0	23.8	*	20.0	31.3	*
Pneumonia/Influenza.....	13	7.7	18.1	*	15.4	25.1	*	15.4	30.4	*
Chronic Obstructive Pulmonary Disease.....	10	10.0	7.9	*	10.0	14.5	*	10.0	19.8	*
Transient Cerebral Ischemia.....	0									
Stroke.....	2	0.0	22.0	*	50.0	28.4	*	50.0	33.5	*
Hip Fracture.....	0									
Sepsis.....	3	33.3	32.8	*	33.3	37.9	*	33.3	42.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SPARKS FAMILY HOSPITAL

2375 Prater Way
Sparks, NV 89431

Medicare Provider Number: 290032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	751	7.5	7.1	1.0	10.4	11.2	1.3	12.4	14.5	2.2
CONDITIONS:										
Acute Myocardial Infarction.....	21	42.9	22.8	*	52.4	25.8	*	52.4	29.0	*
Congestive Heart Failure.....	35	8.6	13.8	*	20.0	22.0	*	22.9	29.0	*
Pneumonia/Influenza.....	31	9.7	13.7	*	12.9	18.7	*	12.9	22.7	*
Chronic Obstructive Pulmonary Disease.....	21	4.8	6.0	*	4.8	9.9	*	14.3	13.4	*
Transient Cerebral Ischemia.....	9	0.0	1.4	*	0.0	3.0	*	11.1	4.7	*
Stroke.....	16	18.8	16.4	*	18.8	22.8	*	18.8	26.9	*
Hip Fracture.....	28	3.6	5.8	*	3.6	10.9	*	10.7	14.7	*
Sepsis.....	2	0.0	23.5	*	0.0	30.0	*	0.0	34.8	*
PROCEDURES:										
Angioplasty.....	2	50.0	10.4	*	50.0	11.2	*	50.0	12.4	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	13	0.0	1.4	*	0.0	3.0	*	0.0	4.7	*
Carotid Endarterectomy.....	2	50.0	4.8	*	50.0	10.8	*	50.0	16.8	*
Hip Replacement/Reconstruction.....	33	3.0	1.7	*	3.0	3.3	*	9.1	4.7	*
Open Reduction of Hip Fracture.....	18	0.0	5.4	*	0.0	10.4	*	5.6	14.0	*
Prostatectomy.....	37	0.0	0.4	*	2.7	0.9	*	2.7	1.5	*
Cholecystectomy.....	21	4.8	4.5	*	4.8	8.4	*	4.8	11.1	*
Hysterectomy.....	1	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 140
Occupancy Rate..... 24
Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 229
Percent of Physicians Board Certified Specialists..... (Not Available)
Medical Residents/Interns..... (Not Available)
Registered Nurses..... (Not Available)
Licensed Practical Nurses..... (Not Available)

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

SPARKS FAMILY HOSPITAL

Medicare Provider Number: 290032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	752	10.1	8.4	1.4	15.6	13.3	1.9	17.3	17.1	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	36	11.1	21.4	*	19.4	24.5	*	22.2	27.7	*
Congestive Heart Failure.....	27	3.7	13.9	*	11.1	21.4	*	11.1	27.8	*
Pneumonia/Influenza.....	30	23.3	15.2	*	30.0	20.2	*	33.3	24.4	*
Chronic Obstructive Pulmonary Disease.....	15	13.3	3.6	*	20.0	7.0	*	20.0	10.1	*
Transient Cerebral Ischemia.....	11	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Stroke.....	20	5.0	14.5	*	15.0	21.0	*	15.0	25.3	*
Hip Fracture.....	15	6.7	5.8	*	20.0	11.1	*	20.0	14.7	*
Sepsis.....	2	50.0	46.8	*	100.0	66.9	*	100.0	74.3	*
PROCEDURES:										
Angioplasty.....	8	12.5	10.2	*	12.5	11.1	*	12.5	12.3	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	11	18.2	4.4	*	18.2	6.7	*	27.3	8.9	*
Carotid Endarterectomy.....	4	0.0	1.0	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction.....	12	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Open Reduction of Hip Fracture.....	11	9.1	4.4	*	27.3	8.8	*	27.3	11.8	*
Prostatectomy.....	38	2.6	0.9	*	5.3	2.2	*	5.3	3.8	*
Cholecystectomy.....	14	0.0	3.2	*	7.1	6.0	*	14.3	8.3	*
Hysterectomy.....	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	711	9.8	8.9	1.2	15.3	13.8	1.6	19.1	17.5	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	25	20.0	27.1	*	20.0	30.5	*	24.0	33.8	*
Congestive Heart Failure.....	35	17.1	13.1	*	20.0	20.7	*	25.7	27.3	*
Pneumonia/Influenza.....	33	21.2	12.9	*	24.2	17.4	*	24.2	21.3	*
Chronic Obstructive Pulmonary Disease.....	23	4.3	8.0	*	8.7	13.9	*	17.4	18.6	*
Transient Cerebral Ischemia.....	14	0.0	1.7	*	0.0	3.5	*	0.0	5.5	*
Stroke.....	16	12.5	16.7	*	31.3	24.4	*	37.5	29.2	*
Hip Fracture.....	17	0.0	5.8	*	5.9	10.8	*	11.8	14.3	*
Sepsis.....	1	0.0	8.0	*	0.0	10.8	*	0.0	13.7	*
PROCEDURES:										
Angioplasty.....	9	22.2	13.1	*	22.2	14.2	*	33.3	15.7	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	9.3	*	0.0	12.9	*	0.0	15.7	*
Carotid Endarterectomy.....	2	0.0	1.4	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction.....	13	0.0	4.1	*	7.7	8.5	*	23.1	12.0	*
Open Reduction of Hip Fracture.....	10	0.0	4.5	*	0.0	8.9	*	0.0	12.1	*
Prostatectomy.....	43	0.0	0.7	*	0.0	1.7	*	0.0	3.0	*
Cholecystectomy.....	18	0.0	1.9	*	0.0	3.6	*	0.0	4.6	*
Hysterectomy.....	3	0.0	0.6	*	0.0	1.0	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



Sparks Family Hospital

2375 E Prater Way • Sparks, Nevada 89434 • (702) 331-7000

Medicare # 290032

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Md. 21207

Dear Mrs. Kappert:

It is noted that the Medicare mortality rate for all causes at this facility is entirely within the predicted standard deviation, and has remained so for the past three (3) years. Also of importance is the fact that, despite a sicker patient population, the mortality rates have shown a steady decrease over that period of time.

In response to the observed mortality rate for specific conditions/procedures, an internal audit of cases within categories of significant variation was conducted with the following results:


1. Myocardial Infarction: For those deaths within 30 days of admission, a significant number of patients (4 out of 9) presented to the hospital in a state of full cardiac arrest. Of those cases, two (2) patients did not respond to continued resuscitative measures and expired the day of admission. A third patient was placed on "Do Not Resuscitate" (DNR) status at the family's request, weaned from life support, and died on the third day of hospitalization. It is entirely possible that, had there not been a rapid EMS response, these patients would have died prior to hospitalization. (Reference: AHA statistic of 60% mortality prior to hospitalization in sudden cardiac death.) Of the remaining five (5) deaths within 30 days, two (2) patients refused any and/or further invasive treatment, were placed on DNR status and expired within 24 hours. In reviewing the two (2) deaths within 90 days of hospitalization, both cases had planned/actual transfers to other facilities for surgical intervention (either PTCA or CABG) which could likely have contributed to subsequent patient mortality.

Medicare # 290032

2. Stroke: For the three (3) patient deaths within 30 days, all were complicated by other factors which likely contributed to patient mortality: one patient had aspirated prior to hospitalization, the second had a history of a previous stroke and was comatose on admission, the third patient was diagnosed with an intracerebral hemorrhage and presented to the ER in full cardiac arrest. All three patients were placed on DNR status. Two patients died within 48 hours of admission, the third patient after transfer to an extended care facility.
3. Hip Replacement/Reconstruction: Of note in reviewing deaths in this category is the fact that the sample includes both bi-polar replacements of fractured hips as well as elective hip replacements. Taking the higher predicted mortality rate for ORIF of hip fractures into account, it may be more reliable to consider fractures, regardless of type of repair, separate from elective hip replacements. In this context, there was one (1) death within 180 days of elective replacement, producing an observed mortality rate of 4.0%. This would be more in keeping with the predicted mortality rate. Including bi-polar replacements with open reduction of hip fractures would also be more in keeping with predicted rates: 3 total deaths within 180 days out of 26 cases, producing an observed mortality rate of 11.5%.
4. Transient Cerebral Ischemia/Angioplasty/Carotid Endarterectomy: Due to the small sample size (less than ten cases) in each of these categories, the observed mortality rates are not statistically reliable. When combined with results from the previous two (2) years, mortality rates are in keeping with predicted rates, with the exception of angioplasty. In this regard, it is important to note that coronary angioplasty is not performed on a routine basis at this facility. It is performed only in the context of an acute MI where, in the physician's judgement, there is a chance for reperfusion in patients who are not candidates for, or are unresponsive to TPA administration. It is assumed, given this patient population, that the mortality rate could reasonably be above predicted rates.

Thank you for the opportunity to respond to the Medicare Hospital Mortality Information.

Sincerely,



PHILIP P. GUSTAFSON
MANAGING DIRECTOR

PPG/lb

ST MARYS REGIONAL MEDICAL CENTER

235 W 6th St
Reno, NV 89520

Medicare Provider Number: 290009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,453	9.0	8.7	1.2	13.1	13.0	1.7	15.7	16.3	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	103	28.2	23.8	4.5	31.1	26.9	4.6	35.0	30.1	5.0
Congestive Heart Failure.....	86	16.3	15.0	4.3	27.9	23.4	7.5	34.9	30.2	6.4
Pneumonia/Influenza.....	86	10.5	13.5	4.3	14.0	18.6	5.4	15.1	22.7	7.2
Chronic Obstructive Pulmonary Disease.....	29	3.4	12.5	*	13.8	18.4	*	17.2	23.3	*
Transient Cerebral Ischemia.....	30	0.0	2.0	*	6.7	4.5	*	13.3	7.1	*
Stroke.....	81	18.5	18.7	4.8	25.9	24.8	5.3	27.2	28.9	5.2
Hip Fracture.....	86	5.8	6.3	2.8	9.3	10.9	4.0	12.8	13.9	3.9
Sepsis.....	17	35.3	22.7	*	41.2	29.6	*	41.2	34.9	*
PROCEDURES:										
Angioplasty.....	13	15.4	9.5	*	15.4	11.1	*	15.4	12.8	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	21	9.5	3.8	*	9.5	7.3	*	14.3	10.6	*
Carotid Endarterectomy.....	8	0.0	2.0	*	0.0	4.1	*	0.0	6.0	*
Hip Replacement/Reconstruction.....	79	3.8	2.0	2.5	6.3	3.7	3.5	6.3	4.8	3.6
Open Reduction of Hip Fracture.....	42	0.0	5.7	*	2.4	10.2	*	7.1	13.1	*
Prostatectomy.....	57	3.5	1.2	3.0	3.5	2.5	3.0	3.5	4.0	3.5
Cholecystectomy.....	68	4.4	2.2	2.6	4.4	3.8	2.5	4.4	4.8	2.9
Hysterectomy.....	35	0.0	0.7	*	0.0	1.7	*	2.9	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 358
Occupancy Rate..... 59
Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 412
Percent of Physicians Board Certified Specialists..... 68
Medical Residents/Interns..... 0
Registered Nurses..... 459
Licensed Practical Nurses..... 51

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... Yes
Hospice Care..... Yes
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... No

** Not used in calculating hospital mortality rates.

ST MARYS REGIONAL MEDICAL CENTER

Medicare Provider Number: 290009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,477	8.2	8.0	0.7	12.8	12.0	0.9	16.3	15.3	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	129	29.5	22.9	5.4	31.8	25.9	5.2	34.1	29.2	5.0
Congestive Heart Failure.....	84	14.3	14.9	5.6	26.2	22.5	7.6	33.3	29.0	6.6
Pneumonia/Influenza.....	91	9.9	15.6	4.6	14.3	21.0	5.4	15.4	25.4	6.6
Chronic Obstructive Pulmonary Disease.....	29	0.0	14.5	*	13.8	21.9	*	20.7	28.0	*
Transient Cerebral Ischemia.....	33	0.0	1.7	*	0.0	3.8	*	0.0	6.0	*
Stroke.....	66	16.7	20.0	6.9	22.7	26.1	6.5	30.3	30.3	5.7
Hip Fracture.....	85	9.4	6.6	4.6	14.1	12.0	6.2	17.6	15.4	5.3
Sepsis.....	13	0.0	21.3	*	15.4	27.9	*	15.4	33.0	*
PROCEDURES:										
Angioplasty.....	17	11.8	10.7	*	11.8	11.9	*	11.8	13.2	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	32	15.6	6.6	*	18.8	10.0	*	18.8	13.0	*
Carotid Endarterectomy.....	11	9.1	1.2	*	9.1	2.1	*	9.1	3.0	*
Hip Replacement/Reconstruction.....	92	2.2	2.5	1.7	4.3	4.6	2.6	5.4	6.1	3.6
Open Reduction of Hip Fracture.....	42	7.1	6.2	*	11.9	11.8	*	16.7	15.5	*
Prostatectomy.....	63	1.6	0.8	1.5	1.6	1.9	2.5	4.8	3.2	3.0
Cholecystectomy.....	57	0.0	2.3	3.0	1.8	4.4	4.4	3.5	6.0	4.9
Hysterectomy.....	36	5.6	1.4	*	5.6	3.1	*	5.6	4.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,974	9.2	8.4	1.7	13.6	12.6	2.7	16.8	16.0	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	90	23.3	22.7	5.7	27.8	25.8	6.7	31.1	29.0	6.6
Congestive Heart Failure.....	68	11.8	15.0	5.2	17.6	22.9	6.5	33.8	29.8	6.3
Pneumonia/Influenza.....	75	18.7	15.7	5.6	28.0	21.3	8.7	30.7	25.7	7.4
Chronic Obstructive Pulmonary Disease.....	27	7.4	9.0	*	18.5	13.8	*	22.2	18.9	*
Transient Cerebral Ischemia.....	41	2.4	1.8	*	2.4	3.8	*	2.4	5.9	*
Stroke.....	52	23.1	23.6	6.6	26.9	29.6	7.4	34.6	33.8	6.6
Hip Fracture.....	84	4.8	6.4	4.5	7.1	11.3	5.6	10.7	14.6	5.5
Sepsis.....	18	38.9	23.0	*	44.4	31.2	*	55.6	37.5	*
PROCEDURES:										
Angioplasty.....	13	15.4	12.3	*	23.1	13.7	*	23.1	15.3	*
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	21	0.0	3.3	*	9.5	6.4	*	14.3	9.2	*
Carotid Endarterectomy.....	13	7.7	1.5	*	7.7	2.7	*	7.7	4.0	*
Hip Replacement/Reconstruction.....	74	0.0	3.1	3.2	1.4	5.7	4.6	4.1	7.5	5.2
Open Reduction of Hip Fracture.....	42	7.1	6.1	*	9.5	11.4	*	14.3	14.7	*
Prostatectomy.....	32	0.0	1.2	*	3.1	2.8	*	3.1	4.5	*
Cholecystectomy.....	48	2.1	2.4	*	8.3	4.2	*	8.3	5.5	*
Hysterectomy.....	30	3.3	0.7	*	3.3	1.5	*	3.3	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.



January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Mrs. Sandra Kappert
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert,

Thank you for the opportunity to respond to the 1989 Medicare Mortality Information for Saint Mary's Regional Medical Center. Since receiving the report, Saint Mary's staff has had the opportunity to review the data.

We have calculated our predicted mortality ranges at the 75 percentile--the most rigid category--and have fallen well within this range in all categories. Saint Mary's has always implemented stringent physician credentialing criteria and close monitoring programs to assure that a high-quality medical staff is maintained. Prior to being granted the privilege of practicing at Saint Mary's, physicians must be approved by a minimum of four professional committees. Their appointment to our staff is followed by continuous peer review and quality assurance programs, which enable us to maintain our high standards of care.

Also contributing to Saint Mary's excellence is our active Quality/Utilization Management Program in which all mortalities are reviewed by appropriate medical staff on an ongoing basis to ensure the continued provision of high-quality care. Not only are all mortalities evaluated, but both past and present charts are randomly reviewed to determine appropriateness of care.

Based on the 1989 Medicare Mortality Report, our Quality/Utilization Management department identified three categories for further review. They were: Sepsis, Angioplasty and Initial Pacemaker Insertion. Since there was no standard deviation for these areas, we were unable to determine the 75 percentile range. These areas fell slightly above the predicted rate, so we chose to review them closer.

Reviewing the mortalities in the Sepsis category revealed that 100 percent (6) of the cases were community acquired; they did not acquire Sepsis while at Saint Mary's. Indicators show that the majority of these patients had multiple medical problems,

Medicare Provider #29009

which indicates the severity of their illness upon admission. In addition, the length of stay in almost all of the cases was four days or less, another severity indicator. The majority of cases either had living wills, or the family decided that no aggressive measures were to be taken. The condition of these patients was severe enough upon admission to warrant honoring these wishes.

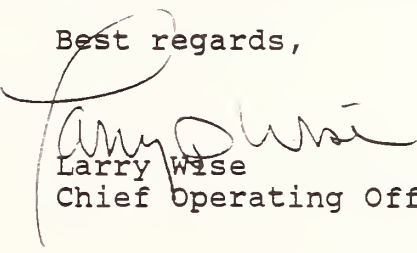
Review of the Angioplasty category indicated that one of the mortalities was a post-op mortality at another facility. The patient and family of the other mortality elected not to undergo any further treatment. Prior to October 1989, we were only completing emergent Angioplasties since we did not have open heart surgery back up, resulting in very critical patients undergoing Angioplasty.

One hundred percent (2) of those patients who expired in the Initial Pacemaker Insertion category were in excess of 79 years of age. The medical and or physical indications for the pacemaker implants in both cases were appropriate. In 100 percent (2) of the cases the expiration was not arrhythmia induced, but was due to another medical condition.

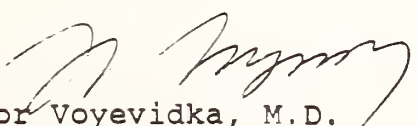
Some changes are also necessary on the hospital characteristics gathered by the AHA. In 1989, Saint Mary's was licensed for 367 acute care beds and had an occupancy rate of 53 percent. Approximately 550 active physicians were on staff, and about 80 percent of them were board certified specialists. In addition, Saint Mary's staffing includes 577 registered nurses and 61 licensed practical nurses. Finally, Saint Mary's does have a cardiac intensive care service. All remaining information is correct.

Again, thank you for the opportunity to present this response. The data with which we worked enabled us to confirm the success of our Quality Assurance Program. If you have any further questions, please contact Cheryl Harmon, manager of the Risk Management department, at (702) 789-3200.

Best regards,



Larry Wise
Chief Operating Officer



Ihor Voyevodka, M.D.
Chief of Staff

ST ROSE DOMINICAN HOSPITAL

102 East Lake Mead Dr
Henderson, NV 89015

Medicare Provider Number: 290012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	717	8.6	8.7	5.0	14.5	13.0	7.5	18.3	16.5	7.0
CONDITIONS:										
Acute Myocardial Infarction.....	19	31.6	29.0	*	42.1	33.9	*	47.4	37.9	*
Congestive Heart Failure.....	43	9.3	13.6	*	11.6	21.3	*	18.6	27.6	*
Pneumonia/Influenza.....	49	18.4	17.7	*	34.7	23.7	*	38.8	28.5	*
Chronic Obstructive Pulmonary Disease.....	27	14.8	6.7	*	18.5	12.2	*	22.2	17.2	*
Transient Cerebral Ischemia.....	7	0.0	2.6	*	0.0	6.0	*	0.0	9.6	*
Stroke.....	29	20.7	15.5	*	24.1	22.6	*	31.0	26.9	*
Hip Fracture.....	29	0.0	4.4	*	10.3	8.1	*	10.3	10.8	*
Sepsis.....	7	14.3	28.3	*	14.3	34.9	*	28.6	41.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	22.2	1.9	*	22.2	3.9	*	22.2	6.1	*
Carotid Endarterectomy.....	2	0.0	1.6	*	0.0	2.9	*	0.0	4.5	*
Hip Replacement/Reconstruction.....	25	0.0	2.2	*	8.0	4.2	*	8.0	5.8	*
Open Reduction of Hip Fracture.....	14	0.0	4.0	*	7.1	7.7	*	7.1	10.4	*
Prostatectomy.....	25	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy.....	14	0.0	1.4	*	7.1	2.4	*	7.1	3.2	*
Hysterectomy.....	10	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 56
Occupancy Rate..... 70
Ownership/Control..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 43
Percent of Physicians Board Certified Specialists..... 74
Medical Residents/Interns..... 0
Registered Nurses..... 86
Licensed Practical Nurses..... 15

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... No
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... No

** Not used in calculating hospital mortality rates.

ST ROSE DOMINICAN HOSPITAL

Medicare Provider Number: 290012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	695	8.5	8.4	1.1	11.7	13.0	1.5	14.8	16.6	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	12	25.0	23.5	*	25.0	26.4	*	25.0	29.5	*
Congestive Heart Failure.....	34	11.8	14.2	*	20.6	22.0	*	29.4	28.5	*
Pneumonia/Influenza.....	53	18.9	16.1	6.4	22.6	21.6	5.7	24.5	26.0	6.1
Chronic Obstructive Pulmonary Disease.....	8	12.5	8.4	*	12.5	14.4	*	37.5	19.7	*
Transient Cerebral Ischemia.....	16	0.0	2.2	*	6.3	4.8	*	12.5	7.4	*
Stroke.....	25	8.0	18.1	*	12.0	24.8	*	12.0	29.2	*
Hip Fracture.....	25	0.0	6.9	*	0.0	12.8	*	0.0	16.9	*
Sepsis.....	2	0.0	19.6	*	0.0	27.4	*	0.0	33.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	2	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction.....	8	0.0	5.0	*	0.0	10.3	*	0.0	14.1	*
Open Reduction of Hip Fracture.....	16	0.0	6.3	*	0.0	12.2	*	0.0	16.4	*
Prostatectomy.....	22	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*
Cholecystectomy.....	16	6.3	2.5	*	6.3	4.1	*	6.3	5.4	*
Hysterectomy.....	6	0.0	0.5	*	0.0	0.8	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	556	9.4	8.7	1.3	12.9	12.9	1.5	17.3	16.3	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	22	36.4	28.1	*	36.4	32.4	*	36.4	36.0	*
Congestive Heart Failure.....	37	21.6	15.0	*	29.7	22.6	*	40.5	29.0	*
Pneumonia/Influenza.....	47	17.0	15.6	*	25.5	20.9	*	29.8	25.4	*
Chronic Obstructive Pulmonary Disease.....	14	7.1	10.5	*	7.1	17.7	*	42.9	23.5	*
Transient Cerebral Ischemia.....	11	0.0	1.8	*	0.0	3.8	*	0.0	5.8	*
Stroke.....	18	5.6	20.7	*	16.7	27.7	*	22.2	32.2	*
Hip Fracture.....	22	9.1	4.6	*	9.1	8.1	*	9.1	10.6	*
Sepsis.....	1	100.0	12.2	*	100.0	16.9	*	100.0	20.8	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*
Carotid Endarterectomy.....	5	0.0	1.8	*	0.0	3.6	*	0.0	5.2	*
Hip Replacement/Reconstruction.....	18	5.6	2.6	*	5.6	4.9	*	5.6	6.6	*
Open Reduction of Hip Fracture.....	12	8.3	4.3	*	8.3	8.0	*	8.3	10.6	*
Prostatectomy.....	14	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*
Cholecystectomy.....	22	9.1	2.5	*	9.1	4.4	*	9.1	5.4	*
Hysterectomy.....	9	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

U M C OF SOUTHERN NEVADA

1800 West Charleston Blvd
Las Vegas, NV 89102

Medicare Provider Number: 290007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,736	15.8	11.7	3.4	21.1	16.8	3.9	25.1	20.7	3.8
CONDITIONS:										
Acute Myocardial Infarction.....	84	23.8	25.1	4.9	25.0	27.8	5.4	29.8	30.8	5.2
Congestive Heart Failure.....	95	21.1	12.5	5.6	30.5	19.5	6.6	37.9	25.5	7.3
Pneumonia/Influenza.....	30	36.7	14.6	*	46.7	19.8	*	50.0	23.9	*
Chronic Obstructive Pulmonary Disease.....	20	10.0	7.9	*	15.0	12.9	*	25.0	17.3	*
Transient Cerebral Ischemia.....	18	0.0	1.8	*	5.6	3.8	*	11.1	5.8	*
Stroke.....	90	25.6	17.0	6.0	30.0	23.2	6.0	31.1	27.3	5.2
Hip Fracture.....	42	0.0	6.7	*	2.4	11.7	*	2.4	14.8	*
Sepsis.....	24	37.5	32.0	*	45.8	39.3	*	50.0	45.7	*
PROCEDURES:										
Angioplasty.....	41	4.9	4.6	*	4.9	5.4	*	7.3	6.4	*
Coronary Artery Bypass Graft.....	44	0.0	6.2	*	0.0	9.0	*	2.3	10.6	*
Initial Pacemaker Insertion.....	13	15.4	5.8	*	15.4	9.2	*	15.4	12.2	*
Carotid Endarterectomy.....	6	0.0	1.3	*	0.0	2.3	*	16.7	3.3	*
Hip Replacement/Reconstruction.....	18	0.0	6.2	*	11.1	11.0	*	11.1	14.0	*
Open Reduction of Hip Fracture.....	25	0.0	6.0	*	0.0	11.0	*	0.0	14.2	*
Prostatectomy.....	63	1.6	1.2	1.9	3.2	2.9	3.0	4.8	4.8	3.7
Cholecystectomy.....	11	9.1	4.1	*	9.1	7.4	*	18.2	9.5	*
Hysterectomy.....	14	0.0	1.4	*	0.0	2.9	*	0.0	4.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 436
Occupancy Rate..... 64
Ownership/Control..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 282
Percent of Physicians Board Certified Specialists..... 79
Medical Residents/Interns..... 0
Registered Nurses..... 498
Licensed Practical Nurses..... 87

SPECIALTY SERVICES:

Burn Unit..... Yes
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

U M C OF SOUTHERN NEVADA

Medicare Provider Number: 290007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,238	14.3	10.2	1.1	20.2	15.1	0.9	24.9	13.9	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	115	30.4	25.3	6.5	31.3	28.2	6.5	34.8	31.3	6.1
Congestive Heart Failure.....	128	17.2	13.7	4.2	29.7	21.0	4.9	40.6	27.3	6.5
Pneumonia/Influenza.....	61	13.1	15.7	6.3	23.0	21.5	5.8	26.2	26.0	5.6
Chronic Obstructive Pulmonary Disease.....	28	14.3	8.8	*	28.6	14.4	*	42.9	19.3	*
Transient Cerebral Ischemia.....	35	2.9	1.6	*	5.7	3.3	*	8.6	5.1	*
Stroke.....	76	22.4	18.5	5.8	27.6	24.4	6.0	31.6	28.6	6.2
Hip Fracture.....	42	0.0	5.4	*	0.0	9.7	*	0.0	12.5	*
Sepsis.....	20	35.0	22.1	*	45.0	30.3	*	45.0	35.9	*
PROCEDURES:										
Angioplasty.....	22	0.0	3.2	*	0.0	4.0	*	0.0	5.0	*
Coronary Artery Bypass Graft.....	58	5.2	6.2	3.7	8.6	7.9	3.7	8.6	9.0	3.8
Initial Pacemaker Insertion.....	24	0.0	6.1	*	4.2	9.3	*	12.5	12.4	*
Carotid Endarterectomy.....	15	0.0	1.5	*	6.7	2.7	*	6.7	3.9	*
Hip Replacement/Reconstruction.....	23	0.0	2.0	*	0.0	3.7	*	4.3	4.8	*
Open Reduction of Hip Fracture.....	25	0.0	5.2	*	0.0	9.6	*	0.0	12.6	*
Prostatectomy.....	31	0.0	1.6	*	3.2	3.9	*	3.2	6.5	*
Cholecystectomy.....	36	2.8	1.6	*	5.6	2.8	*	5.6	3.8	*
Hysterectomy.....	25	8.0	1.5	*	8.0	3.3	*	12.0	5.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,454	11.9	8.9	3.4	17.9	13.5	5.2	21.6	17.0	5.5
CONDITIONS:										
Acute Myocardial Infarction.....	99	23.2	25.1	4.9	27.3	28.1	5.1	29.3	31.2	5.1
Congestive Heart Failure.....	114	20.2	14.0	4.5	29.8	21.3	5.9	38.6	27.6	7.4
Pneumonia/Influenza.....	67	16.4	13.7	5.2	22.4	18.9	5.9	29.9	23.2	8.1
Chronic Obstructive Pulmonary Disease.....	39	2.6	10.1	*	15.4	16.5	*	23.1	21.5	*
Transient Cerebral Ischemia.....	33	9.1	1.9	*	12.1	4.1	*	12.1	6.3	*
Stroke.....	76	30.3	20.1	8.2	36.8	26.4	8.6	39.5	30.5	8.5
Hip Fracture.....	67	1.5	5.9	3.6	3.0	10.4	5.1	10.4	13.4	6.5
Sepsis.....	12	33.3	23.7	*	33.3	31.0	*	41.7	35.4	*
PROCEDURES:										
Angioplasty.....	11	0.0	1.2	*	0.0	1.8	*	0.0	2.5	*
Coronary Artery Bypass Graft.....	46	8.7	6.4	*	13.0	8.7	*	13.0	9.9	*
Initial Pacemaker Insertion.....	34	0.0	3.9	*	5.9	7.3	*	11.8	10.2	*
Carotid Endarterectomy.....	15	0.0	1.4	*	6.7	2.6	*	6.7	3.7	*
Hip Replacement/Reconstruction.....	37	0.0	3.3	*	2.7	6.1	*	13.5	7.9	*
Open Reduction of Hip Fracture.....	44	0.0	5.2	*	0.0	9.7	*	2.3	12.7	*
Prostatectomy.....	120	0.8	1.0	0.9	2.5	2.3	1.4	4.2	3.9	1.8
Cholecystectomy.....	54	5.6	3.1	4.0	9.3	5.3	4.6	9.3	6.5	4.4
Hysterectomy.....	18	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

VALLEY HOSPITAL MEDICAL CENTER

620 Shadow Lane
Las Vegas, NV 89106

Medicare Provider Number: 290021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,064	11.0	8.6	1.3	16.2	12.6	2.2	19.2	15.8	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	123	26.8	25.1	5.3	31.7	27.7	5.8	33.3	30.5	5.7
Congestive Heart Failure.....	127	17.3	13.8	3.5	30.7	21.2	5.6	36.2	27.5	5.6
Pneumonia/Influenza.....	154	16.9	13.6	3.7	18.8	18.5	3.5	22.7	22.5	3.4
Chronic Obstructive Pulmonary Disease.....	85	15.3	10.3	6.8	20.0	16.2	8.0	27.1	21.2	8.2
Transient Cerebral Ischemia.....	43	0.0	1.4	*	0.0	3.1	*	2.3	4.9	*
Stroke.....	141	23.4	20.2	4.1	29.8	26.4	4.3	31.2	30.5	3.9
Hip Fracture.....	82	4.9	6.3	3.0	9.8	10.9	3.6	15.9	14.0	4.5
Sepsis.....	11	9.1	25.6	*	9.1	33.3	*	9.1	38.8	*
PROCEDURES:										
Angioplasty.....	49	8.2	5.3	*	10.2	6.2	*	12.2	7.2	*
Coronary Artery Bypass Graft.....	67	11.9	6.5	5.2	16.4	8.9	7.0	16.4	10.2	7.7
Initial Pacemaker Insertion.....	24	0.0	2.1	*	0.0	4.4	*	0.0	6.5	*
Carotid Endarterectomy.....	21	0.0	1.2	*	4.8	2.3	*	4.8	3.4	*
Hip Replacement/Reconstruction.....	61	4.9	3.9	2.9	9.8	7.1	3.8	16.4	9.2	5.3
Open Reduction of Hip Fracture.....	38	2.6	6.0	*	5.3	11.0	*	7.9	14.2	*
Prostatectomy.....	139	0.7	0.7	0.7	0.7	1.6	1.3	2.2	2.7	1.7
Cholecystectomy.....	55	3.6	1.8	2.4	3.6	3.3	2.7	3.6	4.6	3.3
Hysterectomy.....	25	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 310
Occupancy Rate..... 68
Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 244
Percent of Physicians Board Certified Specialists..... 52
Medical Residents/Interns..... 0
Registered Nurses..... 215
Licensed Practical Nurses..... 64

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... No
Other Intensive Care..... No
Rehabilitation Unit..... No
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

VALLEY HOSPITAL MEDICAL CENTER

Medicare Provider Number: 290021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,051	10.9	8.4	0.7	16.1	12.2	1.1	19.3	15.4	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	119	37.0	26.6	6.9	38.7	29.3	6.9	41.2	32.4	6.4
Congestive Heart Failure.....	104	18.3	14.3	5.6	31.7	21.8	6.7	38.5	28.2	7.9
Pneumonia/Influenza.....	109	13.8	14.8	3.5	22.9	20.2	4.6	27.5	24.5	5.9
Chronic Obstructive Pulmonary Disease.....	63	15.9	10.2	6.6	20.6	16.8	7.5	28.6	22.0	9.3
Transient Cerebral Ischemia.....	44	2.3	1.8	*	6.8	3.8	*	6.8	5.9	*
Stroke.....	110	21.8	21.4	4.3	29.1	27.6	4.7	33.6	31.9	5.1
Hip Fracture.....	76	2.6	6.3	4.1	6.6	11.1	5.8	6.6	14.1	6.7
Sepsis.....	22	27.3	24.5	*	36.4	32.7	*	40.9	38.1	*
PROCEDURES:										
Angioplasty.....	62	6.5	3.1	3.3	8.1	3.8	4.2	9.7	4.7	4.7
Coronary Artery Bypass Graft.....	83	22.9	6.9	4.5	26.5	9.3	5.2	27.7	10.6	5.3
Initial Pacemaker Insertion.....	42	11.9	5.1	*	11.9	7.7	*	14.3	10.0	*
Carotid Endarterectomy.....	20	5.0	1.5	*	5.0	3.0	*	5.0	4.4	*
Hip Replacement/Reconstruction.....	46	4.3	3.8	*	6.5	7.0	*	6.5	9.1	*
Open Reduction of Hip Fracture.....	39	0.0	5.8	*	5.1	10.4	*	5.1	13.4	*
Prostatectomy.....	190	1.1	1.0	0.7	1.6	2.3	1.2	3.2	3.6	1.4
Cholecystectomy.....	75	2.7	2.2	4.0	6.7	3.9	4.6	9.3	5.2	5.1
Hysterectomy.....	18	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,651	10.9	8.0	3.0	14.9	11.8	3.2	18.4	14.9	3.4
CONDITIONS:										
Acute Myocardial Infarction.....	106	25.5	25.2	4.3	27.4	27.7	4.4	28.3	30.5	5.1
Congestive Heart Failure.....	117	15.4	15.5	3.8	23.9	23.1	4.3	35.0	29.5	6.0
Pneumonia/Influenza.....	105	16.2	14.3	3.6	19.0	19.3	3.9	23.8	23.5	4.1
Chronic Obstructive Pulmonary Disease.....	45	26.7	15.9	*	37.8	24.4	*	42.2	30.2	*
Transient Cerebral Ischemia.....	48	2.1	1.7	*	6.3	3.5	*	10.4	5.5	*
Stroke.....	99	30.3	20.7	6.5	35.4	27.1	7.1	41.4	31.2	8.0
Hip Fracture.....	70	2.9	6.5	4.2	11.4	11.4	4.3	12.9	14.5	4.4
Sepsis.....	22	40.9	27.2	*	45.5	35.8	*	54.5	41.2	*
PROCEDURES:										
Angioplasty.....	32	0.0	4.5	*	0.0	5.4	*	3.1	6.4	*
Coronary Artery Bypass Graft.....	101	12.9	5.7	4.1	14.9	7.5	4.3	14.9	8.5	4.1
Initial Pacemaker Insertion.....	33	0.0	2.3	*	3.0	4.7	*	6.1	7.0	*
Carotid Endarterectomy.....	19	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction.....	26	3.8	4.9	*	11.5	8.8	*	11.5	11.4	*
Open Reduction of Hip Fracture.....	43	2.3	5.9	*	11.6	11.0	*	14.0	14.2	*
Prostatectomy.....	148	3.4	0.9	2.2	4.1	2.1	2.3	4.7	3.4	2.4
Cholecystectomy.....	59	3.4	2.8	3.5	8.5	5.3	4.9	8.5	7.2	5.5
Hysterectomy.....	20	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Home of Flight for Life

VALLEY HOSPITAL MEDICAL CENTER



January 15, 1991

29-0021

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate HCFA's attempt to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. However, the quality of care can not be accurately evaluated based solely on the death of a patient and the number of days from admission in which that patient expired.

Valley Hospital conducts mortality review on 100 percent of those patients that expire within our facility. The primary goal of this review is to determine if all reasonable and necessary measures were taken in the care of the patient. Patient deaths are reviewed on a peer review level, and are categorized based on the predictability of the outcome. This categorization utilizes criteria which takes into consideration variables such as contributing co-morbidities, age, and other factors that could have an impact on the outcome. Furthermore, analyzing data for patients who expire after discharge does not allow for the measurement of other variables, such as patient compliance with the discharge regimen, other disease entities, and/or accidents, etc.

In addition, we would like to comment on the change in the presentation of the data. In prior years, the predicted mortality rate, together with the measure of uncertainty, was used to calculate a range for the expected mortality rates. The range was published along with the actual mortality rate. The elimination of the range has caused confusion. While the calculation of a

29-0021

standard deviation may be commonplace for a mathematician, the general public will have difficulty with the interpretation of the data using this format. We suggest publishing the data with the predicted ranges instead of the single value and the standard deviation to increase the interpretability of the data.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Karla Perez', is written over the typed name and title.

Karla Perez
Assistant Administrator

KP/mn

WASHOE MEDICAL CENTER

77 Pringle Way
Reno, NV 89502

Medicare Provider Number: 290001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,171	9.7	9.3	0.8	14.6	14.1	1.5	18.7	17.9	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	146	19.9	24.8	5.7	24.0	27.9	6.6	24.7	31.1	6.6
Congestive Heart Failure.....	114	19.3	14.5	7.5	28.1	22.4	7.9	34.2	29.1	7.2
Pneumonia/Influenza.....	112	15.2	15.6	3.5	18.8	21.3	4.9	21.4	25.9	7.2
Chronic Obstructive Pulmonary Disease.....	39	7.7	9.5	*	10.3	15.8	*	12.8	21.3	*
Transient Cerebral Ischemia.....	36	2.8	1.8	*	2.8	3.9	*	2.8	6.1	*
Stroke.....	111	22.5	20.0	4.6	27.9	26.3	4.5	34.2	30.6	5.8
Hip Fracture.....	69	4.3	6.3	4.1	11.6	11.2	3.9	15.9	14.5	4.9
Sepsis.....	17	17.6	21.7	*	23.5	28.5	*	23.5	34.1	*
PROCEDURES:										
Angioplasty.....	90	2.2	4.5	2.6	3.3	5.7	2.9	4.4	7.0	3.1
Coronary Artery Bypass Graft.....	75	9.3	6.4	4.0	14.7	8.9	6.4	16.0	10.7	7.3
Initial Pacemaker Insertion.....	23	0.0	4.6	*	4.3	8.1	*	4.3	11.3	*
Carotid Endarterectomy.....	35	5.7	1.5	*	8.6	2.9	*	8.6	4.3	*
Hip Replacement/Reconstruction.....	52	0.0	4.1	4.4	9.6	7.0	4.8	9.6	9.1	4.2
Open Reduction of Hip Fracture.....	38	5.3	6.2	*	7.9	11.5	*	13.2	15.0	*
Prostatectomy.....	139	2.2	1.1	1.2	2.9	2.7	1.4	3.6	4.6	1.9
Cholecystectomy.....	55	5.5	4.0	3.1	7.3	6.9	4.1	14.5	9.0	4.9
Hysterectomy.....	6	0.0	1.3	*	0.0	2.9	*	0.0	4.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 418
Occupancy Rate..... 71
Ownership/Control..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 532
Percent of Physicians Board Certified Specialists..... 81
Medical Residents/Interns..... 0
Registered Nurses..... 480
Licensed Practical Nurses..... 60

SPECIALTY SERVICES:

Burn Unit..... No
Cardiac Intensive Care..... Yes
Comprehensive Geriatric..... No
Hospice Care..... No
Medical/Surgical Intensive Care..... Yes
Organ/Tissue Transplant..... Yes
Other Intensive Care..... No
Rehabilitation Unit..... Yes
Trauma Center..... Yes

** Not used in calculating hospital mortality rates.

WASHOE MEDICAL CENTER

Medicare Provider Number: 290001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,827	10.0	9.1	0.9	14.6	13.7	0.9	18.0	17.4	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	163	22.7	26.1	6.1	25.8	29.3	5.4	31.9	32.9	4.7
Congestive Heart Failure.....	94	18.1	15.4	4.0	23.4	23.5	4.9	26.6	30.2	5.5
Pneumonia/Influenza.....	76	14.5	16.2	5.0	22.4	21.9	5.0	28.9	26.5	6.9
Chronic Obstructive Pulmonary Disease.....	38	7.9	8.8	*	15.8	14.1	*	15.8	18.5	*
Transient Cerebral Ischemia.....	45	0.0	1.9	*	6.7	4.2	*	15.6	6.6	*
Stroke.....	81	23.5	20.5	4.7	30.9	27.1	6.1	33.3	31.6	5.2
Hip Fracture.....	51	9.8	6.9	5.6	15.7	12.7	6.2	21.6	16.6	8.1
Sepsis.....	15	33.3	23.4	*	33.3	32.0	*	33.3	38.3	*
PROCEDURES:										
Angioplasty.....	61	4.9	6.0	3.4	6.6	7.1	3.3	8.2	8.4	3.6
Coronary Artery Bypass Graft.....	91	5.5	6.8	3.6	5.5	9.4	3.9	7.7	10.9	3.8
Initial Pacemaker Insertion.....	18	5.6	3.7	*	11.1	7.2	*	11.1	10.6	*
Carotid Endarterectomy.....	19	0.0	1.5	*	0.0	2.9	*	5.3	4.3	*
Hip Replacement/Reconstruction.....	36	8.3	3.9	*	16.7	7.5	*	19.4	10.2	*
Open Reduction of Hip Fracture.....	24	4.2	6.3	*	4.2	12.0	*	12.5	15.9	*
Prostatectomy.....	150	0.0	1.3	1.5	4.0	3.0	2.3	4.0	4.9	2.5
Cholecystectomy.....	52	3.8	4.1	4.1	9.6	6.4	5.2	11.5	7.8	5.9
Hysterectomy.....	15	0.0	1.3	*	0.0	2.7	*	6.7	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,938	10.8	9.6	0.7	16.0	14.4	1.5	19.7	18.3	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	151	20.5	27.0	6.9	24.5	30.1	7.2	27.2	33.4	7.0
Congestive Heart Failure.....	92	19.6	15.1	6.5	31.5	23.0	8.3	39.1	29.6	9.6
Pneumonia/Influenza.....	82	24.4	18.3	7.7	29.3	24.5	9.6	35.4	29.3	10.7
Chronic Obstructive Pulmonary Disease.....	44	18.2	10.5	*	27.3	18.4	*	36.4	24.5	*
Transient Cerebral Ischemia.....	39	7.7	2.0	*	12.8	4.0	*	20.5	6.2	*
Stroke.....	86	27.9	23.8	5.1	32.6	30.2	6.5	32.6	34.4	5.2
Hip Fracture.....	62	4.8	7.0	8.3	16.1	12.8	7.2	19.4	16.7	5.8
Sepsis.....	10	20.0	21.6	*	20.0	29.1	*	20.0	34.9	*
PROCEDURES:										
Angioplasty.....	72	11.1	7.2	3.8	12.5	8.5	3.8	12.5	9.9	3.8
Coronary Artery Bypass Graft.....	67	14.9	8.3	6.3	22.4	11.5	5.9	22.4	13.3	6.2
Initial Pacemaker Insertion.....	23	8.7	3.5	*	13.0	6.8	*	13.0	9.7	*
Carotid Endarterectomy.....	19	5.3	1.9	*	5.3	3.9	*	10.5	5.6	*
Hip Replacement/Reconstruction.....	43	7.0	5.1	*	14.0	9.9	*	16.3	13.3	*
Open Reduction of Hip Fracture.....	36	5.6	5.7	*	13.9	11.0	*	16.7	14.5	*
Prostatectomy.....	155	0.0	1.1	1.2	0.6	2.5	1.9	0.6	4.1	3.0
Cholecystectomy.....	66	4.5	3.5	3.5	6.1	5.9	3.3	6.1	7.6	3.5
Hysterectomy.....	15	0.0	1.4	*	0.0	3.0	*	13.3	4.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WILLIAM BEE RIRIE HOSPITAL

P O Box 435
East Ely, NV 89315

Medicare Provider Number: 290014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	160	8.7	6.1	4.0	12.5	9.5	4.2	15.6	12.4	10.6
CONDITIONS:										
Acute Myocardial Infarction.....	5	40.0	25.9	*	40.0	28.3	*	40.0	31.2	*
Congestive Heart Failure.....	6	50.0	14.6	*	50.0	23.1	*	50.0	30.3	*
Pneumonia/Influenza.....	7	0.0	10.8	*	28.6	14.7	*	28.6	18.3	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	9.0	*	0.0	15.3	*	50.0	20.7	*
Transient Cerebral Ischemia.....	1	0.0	1.5	*	0.0	3.4	*	0.0	5.4	*
Stroke.....	5	60.0	19.4	*	80.0	25.4	*	80.0	30.2	*
Hip Fracture.....	5	0.0	4.4	*	0.0	8.0	*	0.0	10.6	*
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	3.9	*	0.0	7.4	*	0.0	10.0	*
Open Reduction of Hip Fracture.....	1	0.0	4.1	*	0.0	7.8	*	0.0	10.5	*
Prostatectomy.....	0									
Cholecystectomy.....	3	0.0	1.8	*	0.0	3.5	*	0.0	5.6	*
Hysterectomy.....	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds..... 40
Ownership/Control..... Local Government

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 9
Licensed Practical Nurses..... 7

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... No
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

WILLIAM BEE RIRIE HOSPITAL

Medicare Provider Number: 290014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	147	11.6	6.9	2.8	17.0	10.8	3.4	17.7	14.1	4.1
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	21.7	*	33.3	24.7	*	33.3	27.7	*
Congestive Heart Failure.....	6	33.3	12.7	*	33.3	18.6	*	33.3	24.1	*
Pneumonia/Influenza.....	4	75.0	10.0	*	100.0	13.6	*	100.0	16.7	*
Chronic Obstructive Pulmonary Disease.....	5	20.0	10.1	*	20.0	16.1	*	20.0	21.3	*
Transient Cerebral Ischemia.....	3	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke.....	4	25.0	18.1	*	50.0	23.1	*	50.0	27.3	*
Hip Fracture.....	4	0.0	5.5	*	25.0	9.9	*	25.0	12.7	*
Sepsis.....	1	0.0	7.9	*	0.0	11.4	*	0.0	13.9	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	5.2	*	25.0	9.7	*	25.0	12.5	*
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	9	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*
Cholecystectomy.....	0									
Hysterectomy.....	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	155	12.9	7.0	7.8	14.8	10.7	7.3	20.0	13.9	9.7
CONDITIONS:										
Acute Myocardial Infarction.....	6	83.3	27.0	*	83.3	30.1	*	100.0	33.6	*
Congestive Heart Failure.....	3	33.3	16.5	*	33.3	26.8	*	66.7	35.3	*
Pneumonia/Influenza.....	6	16.7	11.3	*	16.7	15.9	*	16.7	19.6	*
Chronic Obstructive Pulmonary Disease.....	2	0.0	3.1	*	0.0	5.8	*	0.0	8.4	*
Transient Cerebral Ischemia.....	1	0.0	2.6	*	0.0	6.0	*	0.0	9.8	*
Stroke.....	4	50.0	18.0	*	50.0	23.8	*	75.0	28.4	*
Hip Fracture.....	5	0.0	3.7	*	0.0	7.2	*	0.0	10.0	*
Sepsis.....	2	0.0	36.4	*	0.0	41.2	*	0.0	46.5	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	3.1	*	0.0	6.3	*	0.0	8.8	*
Open Reduction of Hip Fracture.....	2	0.0	3.5	*	0.0	7.4	*	0.0	10.3	*
Prostatectomy.....	5	20.0	1.1	*	20.0	3.0	*	20.0	5.2	*
Cholecystectomy.....	1	0.0	2.4	*	0.0	3.5	*	0.0	4.5	*
Hysterectomy.....	1	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WOMENS HOSPITAL

2025 East Sahara Avenue

Las Vegas, NV 89104

Medicare Provider Number: 290018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	22	0.0	1.3	*	0.0	2.6	*	0.0	3.7	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	2	0.0	9.8	*	0.0	17.4	*	0.0	23.8	*
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*
Hysterectomy.....	4	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds..... 61
 Occupancy Rate..... 38
 Ownership/Control..... Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians..... 46
 Percent of Physicians Board Certified Specialists..... 50
 Medical Residents/Interns..... 0
 Registered Nurses..... 87
 Licensed Practical Nurses..... 8

SPECIALTY SERVICES:

Burn Unit..... No
 Cardiac Intensive Care..... No
 Comprehensive Geriatric..... No
 Hospice Care..... No
 Medical/Surgical Intensive Care..... No
 Organ/Tissue Transplant..... No
 Other Intensive Care..... No
 Rehabilitation Unit..... No
 Trauma Center..... No

** Not used in calculating hospital mortality rates.

WOMENS HOSPITAL
Medicare Provider Number: 290018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	28	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	7	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	15	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	5	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

American Samoa

LBJ TROPICAL MEDICAL CENTER

Pago Pago, AS 96799

Medicare Provider Number: 640001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	190	11.1	9.3	2.9	14.7	13.2	2.8	18.4	16.6	3.0
CONDITIONS:										
Acute Myocardial Infarction.....	11	18.2	34.9	*	18.2	39.5	*	18.2	44.1	*
Congestive Heart Failure.....	6	16.7	10.0	*	16.7	15.1	*	16.7	19.9	*
Pneumonia/Influenza.....	20	5.0	13.3	*	5.0	17.8	*	10.0	21.8	*
Chronic Obstructive Pulmonary Disease.....	7	0.0	7.7	*	0.0	13.6	*	0.0	18.9	*
Transient Cerebral Ischemia.....	1	0.0	1.3	*	0.0	3.0	*	0.0	5.3	*
Stroke.....	10	30.0	15.8	*	40.0	20.5	*	60.0	24.4	*
Hip Fracture.....	1	0.0	5.6	*	0.0	10.0	*	0.0	12.9	*
Sepsis.....	3	0.0	33.3	*	0.0	40.9	*	33.3	48.1	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	1	0.0	4.9	*	0.0	9.1	*	0.0	12.0	*
Prostatectomy.....	2	0.0	1.0	*	0.0	2.2	*	0.0	3.5	*
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1987

Total Beds..... 120
Ownership/Control..... State Government

STAFFING:

Medical Residents/Interns..... 13
Registered Nurses..... 19
Licensed Practical Nurses..... 114

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... No
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... No
Rehabilitation..... No
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

LBJ TROPICAL MEDICAL CENTER

Medicare Provider Number: 640001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	199	4.0	9.2	2.7	7.5	13.1	3.1	12.6	16.4	3.0
CONDITIONS:										
Acute Myocardial Infarction.....	6	16.7	28.7	*	16.7	31.7	*	16.7	35.4	*
Congestive Heart Failure.....	6	0.0	9.2	*	16.7	13.9	*	16.7	18.3	*
Pneumonia/Influenza.....	14	14.3	18.6	*	14.3	24.7	*	21.4	29.4	*
Chronic Obstructive Pulmonary Disease.....	16	6.3	7.5	*	12.5	12.5	*	31.3	17.0	*
Transient Cerebral Ischemia.....	0									
Stroke.....	8	0.0	16.1	*	0.0	20.5	*	0.0	24.5	*
Hip Fracture.....	1	0.0	5.0	*	0.0	8.7	*	0.0	11.1	*
Sepsis.....	4	25.0	25.2	*	25.0	31.8	*	25.0	37.6	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	1	0.0	4.3	*	0.0	7.9	*	0.0	10.3	*
Prostatectomy.....	1	0.0	1.2	*	0.0	2.9	*	0.0	4.4	*
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	172	7.0	7.1	2.7	11.6	11.0	2.5	16.3	14.2	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	22.2	*	0.0	24.3	*	0.0	27.0	*
Congestive Heart Failure.....	4	0.0	10.1	*	0.0	15.3	*	0.0	20.0	*
Pneumonia/Influenza.....	9	11.1	14.0	*	11.1	18.9	*	22.2	22.9	*
Chronic Obstructive Pulmonary Disease.....	16	0.0	9.6	*	0.0	15.7	*	6.3	20.6	*
Transient Cerebral Ischemia.....	1	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*
Stroke.....	9	22.2	18.0	*	22.2	24.4	*	33.3	29.2	*
Hip Fracture.....	0									
Sepsis.....	3	0.0	28.7	*	33.3	33.3	*	33.3	39.0	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Guam

GUAM MEMORIAL HOSPITAL

P O Box AX
Agana, GU 96910

Medicare Provider Number: 650001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	367	14.7	10.6	2.4	21.5	15.9	3.1	24.0	20.0	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	12	16.7	23.9	*	16.7	26.6	*	25.0	29.6	*
Congestive Heart Failure.....	17	17.6	15.0	*	35.3	23.2	*	35.3	29.9	*
Pneumonia/Influenza.....	18	33.3	15.9	*	33.3	21.8	*	38.9	26.4	*
Chronic Obstructive Pulmonary Disease.....	12	0.0	7.7	*	0.0	13.7	*	0.0	19.0	*
Transient Cerebral Ischemia.....	1	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*
Stroke.....	20	20.0	25.2	*	25.0	31.8	*	30.0	36.1	*
Hip Fracture.....	8	0.0	7.8	*	12.5	13.1	*	12.5	16.6	*
Sepsis.....	9	33.3	20.9	*	33.3	28.1	*	33.3	34.2	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	7.2	*	0.0	12.9	*	0.0	16.6	*
Open Reduction of Hip Fracture.....	4	0.0	8.4	*	25.0	14.6	*	25.0	18.6	*
Prostatectomy.....	3	0.0	1.2	*	0.0	2.7	*	0.0	4.4	*
Cholecystectomy.....	7	14.3	1.9	*	14.3	3.1	*	14.3	3.9	*
Hysterectomy.....	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds..... 145
Ownership/Control..... State Government

STAFFING:

Medical Residents/Interns..... 0
Registered Nurses..... 112
Licensed Practical Nurses..... 47

SPECIALTY SERVICES:

Burn Unit..... No
Coronary Care Unit..... Yes
Hospice..... No
Intensive Care Unit..... Yes
Organ Transplant..... Yes
Rehabilitation..... Yes
Shock Trauma..... No

** Not used in calculating hospital mortality rates.

GUAM MEMORIAL HOSPITAL

Medicare Provider Number: 650001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	345	10.4	8.2	2.2	15.9	12.9	2.6	20.0	16.8	3.0
CONDITIONS:										
Acute Myocardial Infarction.....	8	25.0	27.5	*	25.0	29.9	*	25.0	33.0	*
Congestive Heart Failure.....	17	5.9	14.5	*	11.8	22.3	*	23.5	28.9	*
Pneumonia/Influenza.....	20	10.0	13.4	*	25.0	19.3	*	25.0	23.7	*
Chronic Obstructive Pulmonary Disease.....	11	9.1	8.5	*	18.2	14.3	*	18.2	19.6	*
Transient Cerebral Ischemia.....	2	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Stroke.....	14	21.4	16.1	*	21.4	21.5	*	21.4	25.6	*
Hip Fracture.....	6	0.0	7.2	*	16.7	12.6	*	16.7	15.9	*
Sepsis.....	6	33.3	27.6	*	33.3	35.4	*	50.0	41.3	*
PROCEDURE:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	50.0	5.1	*	50.0	10.8	*	50.0	15.1	*
Open Reduction of Hip Fracture.....	1	0.0	6.0	*	0.0	12.0	*	0.0	16.3	*
Prostatectomy.....	9	0.0	1.3	*	0.0	3.0	*	0.0	4.8	*
Cholecystectomy.....	6	0.0	3.4	*	0.0	5.5	*	0.0	6.7	*
Hysterectomy.....	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	323	16.4	11.5	2.7	22.6	16.9	3.3	24.5	21.0	2.7
CONDITIONS:										
Acute Myocardial Infarction.....	13	23.1	39.8	*	38.5	42.7	*	38.5	46.2	*
Congestive Heart Failure.....	21	19.0	14.0	*	28.6	20.9	*	33.3	27.1	*
Pneumonia/Influenza.....	11	36.4	11.4	*	54.5	16.2	*	54.5	20.0	*
Chronic Obstructive Pulmonary Disease.....	8	25.0	14.0	*	25.0	24.0	*	25.0	30.9	*
Transient Cerebral Ischemia.....	3	0.0	1.3	*	0.0	2.7	*	0.0	4.3	*
Stroke.....	19	31.6	22.6	*	36.8	29.2	*	36.8	34.0	*
Hip Fracture.....	8	0.0	4.4	*	0.0	8.3	*	0.0	11.0	*
Sepsis.....	6	33.3	26.4	*	50.0	35.2	*	50.0	41.3	*
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	2.4	*	0.0	5.0	*	0.0	8.2	*
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	5	0.0	3.4	*	0.0	6.7	*	0.0	9.2	*
Open Reduction of Hip Fracture.....	5	0.0	3.8	*	0.0	7.4	*	0.0	10.1	*
Prostatectomy.....	6	0.0	1.0	*	0.0	2.4	*	0.0	4.2	*
Cholecystectomy.....	3	0.0	2.6	*	0.0	3.9	*	0.0	4.8	*
Hysterectomy.....	1	0.0	0.9	*	0.0	1.4	*	0.0	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Technical Appendix

TECHNICAL APPENDIX

Data Sources

The data analyzed in this report are obtained from the MEDPAR file, which contains summary information on the hospitalizations of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board.

Hospitalizations with discharges in fiscal years 1987, 1988 and 1989 were used in these analyses. Hospitalizations in 1986 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute-care hospitalizations in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospitalizations in special cost centers, designated by a "9" in the fourth position of the provider number, and hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units, with "special unit codes" of S, T, U and V, respectively, in the third position were excluded.

The Mortality Model

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospitalizations were then segregated by analytical category and analyzed separately. The analytic categories were created by grouping ICD-9-CM diagnosis codes that had similar raw mortality rates and clinical definitions. The groupings fall into five risk levels: low, average, moderately severe, very severe and catastrophic. Within these risk levels, codes are further grouped based on clinical similarities. The analytic categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1.

The mortality experience of the patients was evaluated as a function of time within 182 days of the admission. The factors included in the mortality model used to evaluate the patients' probability of death are given in Table A-2. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to complicate management and increase the likelihood of

an adverse outcome), prior admissions (grouped into five risk or severity levels) within the six months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure", Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

Analytic Techniques

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study at the end of the followup period of 182 days.

The survival function, $S(t)$, is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function,

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is:

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The probability density function commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t . In some cases the area under the survival curve is restricted to an interval $0-t_1$ where t_1 might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is:

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters α , γ , and δ in terms of the k concomitant variables x_i and their associated component parameters α_i , γ_i , and δ_i for $i=1,2,\dots, k$ and three intercepts or component parameters α_0 , γ_0 , and δ_0 . The structural parameter δ is the long-term risk which is approached as $t \rightarrow \infty$. The structural parameter is the initial excess risk which decays with rate constant γ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ($p < 0.05$) influences of the probability of death were identified for inclusion in the model. As the model for each of the 17 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 1,000 cases or a statistically significant effect at the $p < 0.01$ level when the number of cases was less than 1,000. Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i , γ_i , and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, $1-S(t)$, may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytic categories are useful for grouping the patients into relatively risk homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

Estimation of the Standard Deviation for Predicted Mortality

The standard deviation of the predicted mortality rate is used to assess how meaningfully different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, P , and predicted, $\hat{\Theta}$, mortality rates.

The residual has four components V_1 , V_2 , V_3 , and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included the present analysis.

V_2 is the binomial variance for n patients.

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}.$$

V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}}(\hat{\Theta}) = \left(1 - \frac{1}{n}\right) \widehat{M_2(\Theta)}$$

where

$$\widehat{M_2(\Theta)} = \left\{ \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left(\frac{1}{z_p^2} \right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital specific effect.

V_4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left(\text{Observed mortality} \right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just:

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

Measures of Uncertainty

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table A-3 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels ranging from 75 percent to 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table A-3 exceeds the precision of the estimate of the standard deviation. Hence, the rule-of-thumb given at the front of this Appendix represents an adequate approximation to the factors in Table A-3 and an adequate guide to the meaningfulness of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table A-3, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent, if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent, if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Upper Bound", the row "75" for the number of cases, and by interpolation between the "10%" and the "20%" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

On the other hand, 75 percent of the time, the observed mortality rate will lie either between 13 percent and 18.8 percent ($13.0 \text{ percent} + 1.15 \times 5.0 \text{ percent}$) if the observed rate is higher than the predicted, or between 7.3 percent ($13.0 \text{ percent} - 1.15 \times 5.0 \text{ percent}$) and 13.0 percent if it is lower.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. In turn, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

Table A-1

ANALYTICAL DIAGNOSTIC CATEGORIES

CATEGORY	ICD-9-CM CODES
1. Low risk cardiopulmonary and circulatory disorders	390, 393, 401, 402.00, 402.10, 402.90, 405, 411 (except 411.0), 413-414, 417-420, 422, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433 (except 433.0), 435, 437.2, 442 (except 442.2), 447 (except 447.2), 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0, 460-478, 487 (except 487.0), 490-491, 493-495, 511.0, 518.2, 519.0-519.1
2. Low risk injuries and poisonings	800.0, 800.5, 801.0, 801.5, 802, 805 (except 805.0), 806 (except 806.0), 807 (except 807.0 and 807.4), 807.00-807.06, 808-819, 822-838, 839 (except 839.0), 840-848, 850, 854.0 (except 854.05), 861.2, 862, 867 (except 867.0 and 867.2), 870-874, 875.0, 876-887, 890-897, 905-932, 933.0, 935-940, 942 (except 942.3), 943-945, 947, 949-957, 958 (except 958.4), 959-963, 965.1, 965.5-965.7, 965.9, 966, 969-971, 972 (except 972.1), 973, 974 (except 974.1), 975 (except 975.7), 977-981, 984-986, 988, 992-993, 994 (except 994.1 and 994.7), 995, 996.0 (except 996.02), 996.2, 996.4-996.5, 996.7-996.9, 997.9, 998 (except 998.2)
3. Low risk gastrointestinal and endocrine disorders	240-246, 250.0, 250.5-250.6, 250.8, 250.9, 252, 254, 255 (except 255.4), 256-258, 264-272, 274, 276.3, 276.8, 279 (except 279.1), 520-527, 528.2, 528.4, 528.6-528.9, 529, 530 (except 530.4 and 530.8), 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.8-537.9 (except 537.89), 540-543, 550, 552-556, 558 (except 558.2), 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574 (only when 5th digit = 0), 575 (except 575.4 and 575.8), 576.0, 576.9, 577.1, 577.9, 579

Table A-1: Analytic Diagnostic Categories

4. Low risk genitourinary and reproductive disorders	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596 (except 596.1 and 596.6), 597-598, 599 (except 599.0 and 599.6), 600-606, 607 (except 607.2), 608 (except 608.4), 610-618, 619 (except 619.1), 620-629, 630-648, 650-676
5. Low risk neuropsychiatric, sensory and musculoskeletal disorders	290-292, 293 (except 293.0), 294-309, 311-319, 330, 331 (except 331.0), 332-334, 337, 340, 342-343, 344 (except 344.0 and 344.1), 345 (except 345.3), 346-347, 348.0, 350-358, 360-389, 680-686, 690-698, 700-706, 707 (except 707.0), 708-709, 710 (except 710.1), 711-713, 714 (except 714.81), 715-739
6. Other low risk disorders	E-CODE, M-CODE, V01-V09, V11-V65 (except V58.0 and V58.8), V67-V82, 001-005, 007-009, 014-017, 020-026, 027 (except 027.0), 030, 032-033, 035, 037, 039, 041.0-041.2, 045, 049.8-049.9, 050-053, 055-057, 071-088, 090-111, 120-135, 137-139, 140, 143, 173-175, 180.0-180.1, 182, 188 (except 188.8 and 188.9), 190, 192 (except 192.2), 210-211, 212 (except 212.7), 213-224, 226-230, 231 (except 231.2), 232-236, 239.4-239.5, 239.9, 280 (except 280.0), 282, 740-744, 746-759, 780 (except 780.0), 781, 782.0-782.2, 782.6, 782.8-782.9, 783.1, 783.5-783.9, 784 (except 784.3 and 784.5), 785 (except 785.4 and 785.5), 786.2, 786.4-786.5, 786.7-786.9, 787 (except 787.2), 788.0-788.1, 788.3-788.4, 788.6-788.7, 789 (except 789.5), 790 (except 790.6 and 790.7), 793-796
7. Average risk disorders	V10, V58.0, V58.8, 006, 010 -013, 031, 034, 041.3-041.9, 070.1, 070.3, 070.5, 070.9, 114-115, 136 (except 136.3), 142, 144-146, 152-154, 160-161, 162.0, 165, 170, 171.0, 171.2-171.4, 171.6-171.7, 172 (except 172.8), 180.8, 181, 184-187, 188.8-188.9, 189 (except 189.0), 193-194, 196.0, 196.3, 196.5-196.6, 196.9, 197.3, 198.2, 225,

Table A-1: Analytic Diagnostic Categories

7. Average risk disorders (continued)	238, 239.0-239.3, 239.7-239.8, 250.1, 250.4, 250.7, 251, 253, 255.4, 259, 275 (except 275.4), 276.1, 276.6-276.7, 276.9, 277 (except 277.3), 278, 280.0, 281, 283, 285, 286 (except 286.6), 287-289, 293.0, 310, 322-326, 331.0, 336, 344.0-344.1, 345.3, 349, 359, 391-392, 394-396, 398 (except 398.91), 402.01, 402.11, 402.91, 403-404, 410.7, 411.0, 412, 423.8-423.9, 424, 425.5, 425.7-425.9, 426.0, 426.9, 427.1, 429.0-429.3, 437 (except 437.2), 438, 440, 441.4, 441.9, 443, 444 (except 444.1), 446, 456.1, 456.21, 456.8, 457.2, 457.8, 459 (except 459.0 and 459.2), 480, 482.2, 483-484, 487.0, 492, 496, 506, 508 (except 508.0), 518.3, 518.8, 519.4, 519.8-519.9, 528.0-528.1, 528.3, 528.5, 531.0, 531.4, 532.0, 532.4, 533.0, 533.4, 534.0, 534.4, 537.0, 537.3-537.4, 537.89, 557 (except 557.0), 560.1, 560.3, 560.80-560.81, 560.9, 569.3, 569.8 (except 569.83), 571.0-571.1, 571.3-571.4, 572.0-572.1, 573, 574 (only when 5th digit = 1), 575.4, 575.8, 576.1-576.5, 577.0, 577.2, 577.8, 578 (except 578.0), 580-581, 587, 590.0, 590.2- 590.3, 591, 593, 596.1, 596.6, 599.0, 599.6, 607.2, 608.4, 619.1, 714.81, 745, 782.3, 783.0, 783.2, 784.3, 784.5, 786.0-786.1, 786.3, 786.6, 787.2, 788.2, 788.5, 788.8-788.9, 790.6-790.7, 791-792, 798, 799.8-799.9, 803.0, 803.5, 805.0, 807.07-807.09, 820-821, 839.0, 860, 863, 865-866, 867.0, 867.2, 900, 903-904, 934.0-934.1, 941, 942.3, 946.0-946.2, 948.0-948.3, 964, 965.0, 965.4, 965.8, 967-968, 972.1, 974.1, 975.7, 976, 982-983, 987, 989, 996.1, 996.3, 996.6, 997 (except 997.9), 998.2, 999
8. Moderately severe cardiopulmonary and circulatory disorders	398.91, 415-416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 432.1, 434, 436, 441.2, 442.2, 452, 453.0, 453.2-453.3, 458 (except 458.0), 459.0, 459.2, 481, 482.3, 482.9, 485-486, 500-505, 510.9, 511 (except 511.0), 512.8, 513-515, 517, 518.0-518.1, 518.4, 519.2-519.3
9. Moderately severe gastrointestinal and endocrine disorders	273, 276.5, 277.3, 530.4, 530.8, 551, 558.2, 560.0, 560.2, 560.89, 567, 572.3, 578.0

Table A-1: Analytic Diagnostic Categories

10. Moderately severe neoplastic diseases	141, 147-149, 158, 162.3-162.5, 179, 180.9, 183, 189.0, 191, 192.2, 198.1, 198.6-198.7, 198.82, 200-202, 207 (except 207.0), 212.7, 237, 239.6
11. Other moderately severe disorders	V66, 038.42, 040, 047-048, 049.0-049.1, 054, 060-066, 284, 335, 341, 348.3-348.4, 348.8-348.9, 585, 707.0, 710.1, 782.4-782.5, 782.7, 783.4, 785.4, 789.5, 797, 799.0, 799.2-799.4, 804, 806.0, 807.4, 851.0, 851.2, 851.4, 851.6, 851.8, 852.0, (except 852.05), 852.1 (except 852.15), 852.2 (except 852.25), 852.4-852.5, 853.0 (except 853.05), 853.1 (except 853.15), 861 (except 861.2), 864.0 (except 864.04), 864.1 (except 864.14), 933.1, 990, 996.02
12. Very severe cardiopulmonary and circulatory disorders	397, 410 (except 410.7), 421, 423.0-423.2, 433.0, 447.2, 456.0, 456.20, 482.0-482.1, 482.4, 482.8, 507, 508.0, 510.0, 512.0, 516, 518.5
13. Very severe gastrointestinal and endocrine disorders	250.2-250.3, 260-263, 275.4, 276.0, 276.2, 276.4, 279.1, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 569.83, 571.2, 571.5-571.6, 572.2, 576.8
14. Very severe infectious disorders	018, 027.0, 036, 038 (except 038.42), 042-044, 046, 112, 116-118, 136.3
15. Very severe neoplastic diseases	150-151, 156-157, 159, 162.2, 162.8-162.9, 163-164, 171.5, 171.8-171.9, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.6, 197.8, 198.0, 198.3-198.5, 198.81, 198.89, 203, 204 (except 204.0), 205 (except 205.0), 207.0, 208 (except 208.0), 231.2
16. Other very severe disorders	320-321, 348.2, 348.5, 584, 586, 760-779, 780.0, 783.3, 799.1, 800 (except 800.0 and 800.5), 801 (except 801.0 and 801.5), 854.05, 854.1, 868-869, 875.1, 934.8-934.9, 946.3-946.5, 958.4, 991, 994.1, 994.7

Table A-1: Analytic Diagnostic Categories

17. Catastrophic disorders	070.0, 070.2, 070.4, 070.6, 155, 172.8, 197.7, 199, 204.0, 205.0, 206, 208.0, 286.6, 348.1, 427.4-427.5, 430-431, 432 (except viral 432.1), 441.0-441.1, 441.3, 441.5, 444.1, 557.0, 570, 572.4, 572.8, 785.5, 803 (except 803.0 and 803.5), 851.1, 851.3, 851.5, 851.7, 851.9, 852.05, 852.15, 852.25, 852.3, 853.05, 853.15, 864.04, 864.14, 901-902, 948.4-948.9
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Table A-2

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

DEMOGRAPHICS

$$\text{AGESP} = \text{sign}(W-65) \left(\left| \frac{W-65}{65} \right| \right)^{1.72}$$

where

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

SX An indicator variable: = 1 if Female and 0 otherwise.

COMORBIDITIES (Indicator variables = 1 if
comorbidity present and 0 otherwise)

ICD-9-CM Codes

CCA	Cancer	141-160.9, 162-172.9, 174-208.9)
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1)
CLV	Chronic liver disease	571-572.8)
CRN	Chronic renal disease	582-583.9, 585-587)

ADMISSION SOURCES AND TYPES (Indicator variables = 1 if source or type present
and 0 otherwise)

PHRF	Patient referred by personal or HMO physician.
TRSNF	Patient transferred from skilled nursing facility.
ELCT	Patient admitted for elective procedure.
EMRG	Patient admitted for emergency.

PREVIOUS HOSPITALIZATIONS

PALR	Number at low risk, with 5 or more set to 5.
PAAR	Number at average risk, with 3 or more set to 3.
PAMSR	Number at moderately severe risk, with 3 or more set to 3.
PAVSR	Number at very severe risk, with 2 or more set to 2.
PACR	Number at catastrophic risk, with 1 or more set to 1.

TABLE A-3: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n Is the number of cases at your hospital and p Is the predicted mortality rate.)

		99% Prediction Interval				95% Prediction Interval				75% Prediction Interval						
		Factor for Upper Bound				Factor for Upper Bound				Factor for Upper Bound						
p	n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
	25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
	50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
	75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
	100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
	150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15

		Factor for Lower Bound				Factor for Lower Bound				Factor for Lower Bound						
p	n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
	25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
	50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
	75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
	100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

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